

Grand Traverse County Board of Public Works  
3848 Veterans Drive, Traverse City, MI 49684  
Garfield Township Hall

Thursday, June 9, 2022 at 9:00 a.m.

## Meeting Agenda

2022 Officers:

Chair:	Jeff Shaw, Elmwood Township
Vice-Chair:	Doug White, Acme Township
Secretary:	Rob Lajko, Rural Townships

### CALL TO ORDER

### PLEDGE OF ALLEGIANCE

### ROLL CALL

### PUBLIC COMMENT- Refer to Rules and Public Comment/Input

### APPROVAL OF AGENDA

### REPORTS

1. Jacobs's Monthly Operating Report .....	1
2. Engineer of Record .....	
3. Shop Manager .....	24
4. Director .....	25
a. Finance Committee .....	
5. Board Members .....	

### CONSENT CALENDAR

The purpose of the Consent Calendar is to expedite business by grouping non-controversial items together to be dealt with by one Board motion without discussion. Any member of the Board, staff or the public may ask that any item on the Consent Calendar be removed and placed elsewhere on the agenda for full discussion. Such requests will be automatically respected. *If any item is not removed from the consent calendar, the following items are approved by a single Board action adopting the consent calendar with a MAJORITY ROLL CALL VOTE.*

APPROVAL OF MEETING MINUTES: May 12, 2022.....	37
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#### ITEMS Approved by Staff

1. DPW Budget Status & Budget Amendments (2022) .....	52
<i>(Claims and claims reports are available for review at any time upon request.)</i>	
2. Jacobs Monthly Invoice (\$)	
3. GFA Invoices from March (\$2,165.50).....	84

#### ITEMS TO BE PAID After Approval by Board

4. GFA Invoices for May (\$1,413.00).....	91
5. Olson, Bzdok, & Howard (\$)	
6. City Water (\$)	
7. City Sewer (\$)	

### ACTION REQUESTED-A Motion to approve the Consent Calendar with a Roll Call Vote

### UNFINISHED BUSINESS

### NEW BUSINESS

## **PUBLIC COMMENT - Refer to Rules and Public Comment/Input**

### **NOTICES:** As listed

1. The next regular BPW Finance Committee Meeting will be held on July 6, 2022, at 1:00 p.m. in the Large Conference Room in the Public Services Building at 2650 LaFranier Rd.
2. The next regular meeting of the Board of Public Works will be held on July 14, 2022, at 9:00 a.m. in the Meeting room at GARFIELD TOWNSHIP HALL, 3848 Veterans Drive.

### **ADJOURNMENT**

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Link to website for agenda & packet

[http://www.co.grand-traverse.mi.us/departments/public\\_works/Agenda\\_Packets.htm](http://www.co.grand-traverse.mi.us/departments/public_works/Agenda_Packets.htm)

You can find videos of the meetings at: <http://upnorthmedia.org/watchgovtv.asp?SDBFid=2365>

### **RULES AND PUBLIC COMMENT / INPUT**

1. All cell phones shall be switched to silent mode or turned off.
2. Any person may make a video, audio or other record of this meeting. Standing equipment, cords, or portable microphones must be located so as not to block audience view.
3. Any person shall be permitted to address a meeting of the Board of Public Works which is required to be open to the public under the provision of the Michigan Open Meetings Act, as amended. (MCLA 15.261, et.seq.) Public Comment shall be carried out in accordance with the following Board Rules and Procedures:
  - A. Any person wishing to address the Board shall state his or her name and address.
  - B. No person shall be allowed to speak more than once on the same matter, excluding time needed to answer Board Member's questions. The Chairperson shall control the amount of time each person shall be allowed to speak, which shall not exceed (3) minutes.
    - i. Chairperson may, at his or her discretion, extend the amount of time any person is allowed to speak.
    - ii. Whenever a group wishes to address the Board, the Chairperson may require that the group designate a spokesperson; the Chairperson shall control the amount of time the spokesperson shall be allowed to speak, which shall not exceed fifteen (15 minutes).

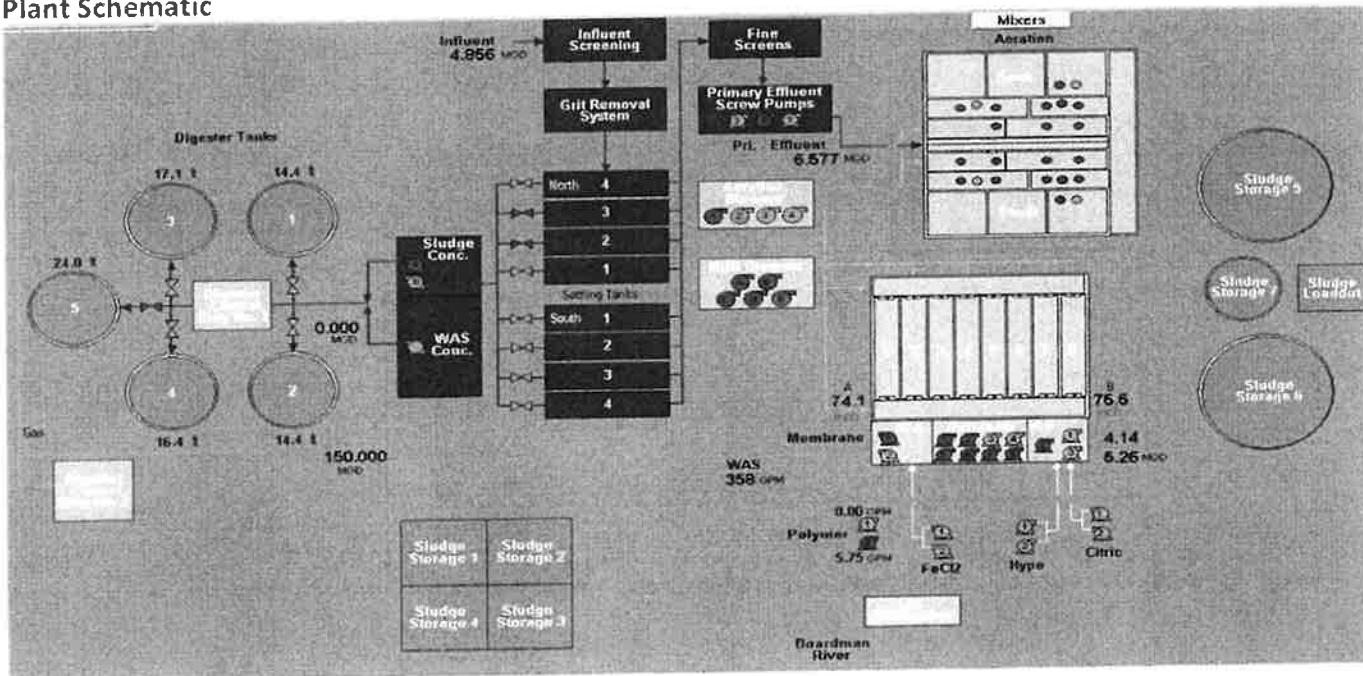
### **AUXILIARY AIDS AND SERVICES**

Grand Traverse County will provide reasonable auxiliary aids and services, such as, signers for the hearing impaired or audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting upon (48) forty-eight hours-notice to Grand Traverse County. Individuals with disabilities requiring auxiliary aids or services should contact the Grand Traverse County Department of Public Works at (231) 995-6039.

## Jacobs Monthly Operations Report

Subject: April 2022  
Date: May 13th, 2022  
To: Marty Colburn, City Manager-City of Traverse City  
John Divozzo, Grand Traverse County Director of Public Works  
From: Mark Huggard, Project Manager  
Copied: Art Krueger, Director of Municipal Utilities  
Benjamin Marentette, City Clerk  
Traverse City Commission  
Grand Traverse County Board of Public Works  
Kevin Dahl, Jacobs, Regional Director  
Nick Lenzi, Jacobs, Regional Business Manager  
Liz Hart, Jacobs, Midwest Senior Operations Specialist  
Attachments: TCRWWTP Monthly Discharge Monitoring Report, submitted to the State via MiWaters  
Monthly Financial Summaries for the TCRWWTP and GTCSTF  
TC Lift Stations Status Overview  
Capital Improvement/Repair Initiatives for TCRWWTP and GTCSTF  
TCRWWTP BOD Loadings Summary

## TCRWWTP Plant Schematic



The general condition and operating status of the equipment used at the treatment facility and related lift stations, as well as issues of concern; are summarized in the attached TCRWWTP Equipment Status Overview and TC Lift Stations Status Overview Tables or in the TCRWWTP Capital Improvement/Repair Initiatives Table.

## Compliance

The treatment facility was in full compliance with its discharge permit through the month of April.

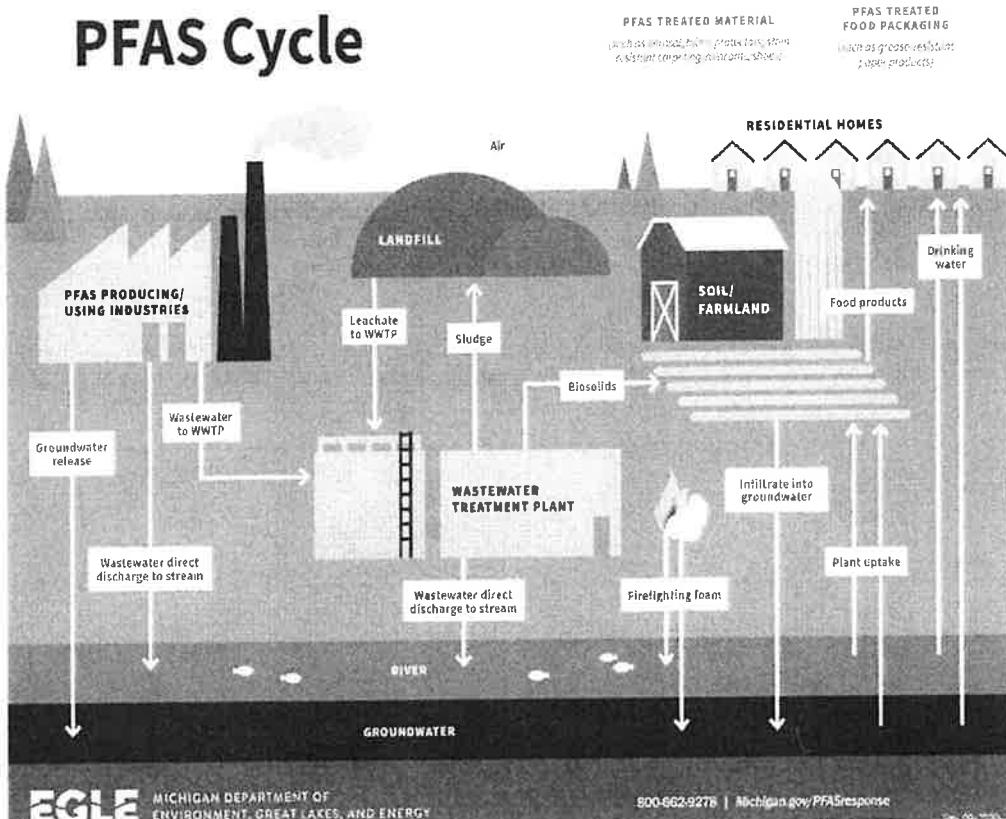
## Industrial Pretreatment

### **Michigan Department of Environment, Great Lakes, and Energy (EGLE) PFAS Interim Strategy-Residual Management Plan Modification Updates (EGLE's PFAS Cycle has been provided below)**

As part of EGLE's PFAS Interim Strategy, they issued a letter in April of 2021 that effectively modified the Residual Management Plans (RMP) for all facilities land applying biosolids. The modification required facilities with an RMP to sample and analyze their biosolids for PFAS compounds. When analyzed, Grand Traverse County Septage Treatment Facility's (GTCSTF's) biosolids were found to have elevated levels of per- and polyfluoroalkyl substances (PFAS). Specifically, the level of perfluorooctane sulfonate (PFOS) was measured at 99 µg/kg on April 28, 2021, and 97 µg/kg on August 12, 2021. EGLE's RMP modification requires facilities with biosolids PFOS concentrations between 50 and 150 µg/kg, to conduct an investigation of potential sources and ultimately develop a source reduction plan.

In April, we virtually met with EGLE, Jacobs, and County representatives to review the PFAS interim report submitted in March for the Grand Traverse Septage Treatment Facility (GTSF). We clarified the findings in the report and traded questions and answers regarding the source investigation. Currently, the source investigation remains underway while we also continue monitoring the effectiveness of already implemented source reduction efforts.

## PFAS Cycle



## Discharging Significant Industrial Users (SIUs)

Munson Medical Center: We received their monthly self-monitoring report. There were no surcharge fees for April and the facility was not in Significant Noncompliance for the quarter.

Sara Lee: Issued a NOV as a result of exceeding their effluent limit for zinc. Since, they have resampled twice. The first result showed they were back in compliance. The second result was received and indicates the facility is within compliance. We performed a long form inspection on April 27<sup>th</sup> with no issues found.

CRM: Completed the annual long form inspection on April 21<sup>st</sup>. No major issues were identified. There were some minor issues identified that require follow up by the SIU. We discussed the County's concern regarding high flows from the facility. After reviewing recent data, we could not find anything had changed over the last several years. It was requested that accuracy verifications are performed on the flow meters to verify the flow data is correct.

## Non-Discharging Categorical Industrial Users (CIUs)

Alcotec: Conducted the annual long form inspection. Identified chemicals that were no longer in use and requested they be removed from the facility and properly disposed of. We requested that the facility jet clean their outfall to restore its condition to a baseline state for future inspections. For our records we requested an updated slug control plan, spill plan and annotated schematic.

## Other Industrial Users (IU's)

SMI Aerospace: We confirmed the machinery that was once in operation was dismantled and no longer usable. This concludes the permitting process and verifies no permit is necessary now since they are no longer subject to EPA's 40 CFR Part 433 requirements.

Two Buds Cultivation: Received their slug control plan by the requested date. After review an approval letter was sent.

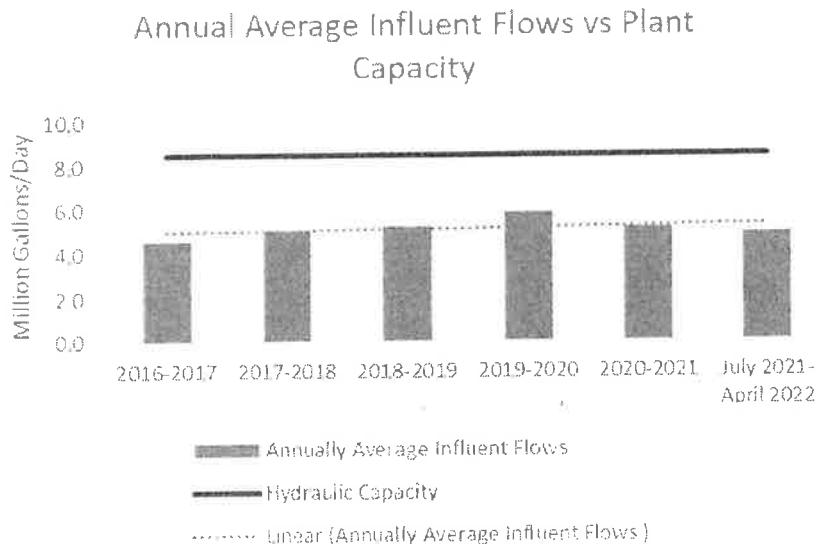
## Other Items

We received approval from EGLE to implement the proposed changes to the inspection forms and IU Survey forms for the next round of surveys (2023).

## Capacity

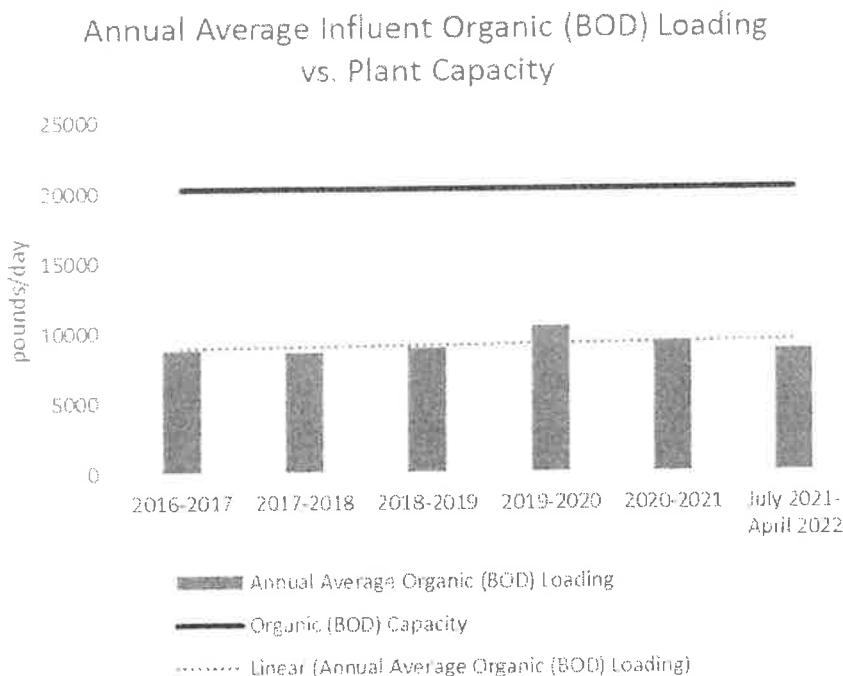
Wastewater Treatment Facilities are designed with a certain hydraulic (flow) and organic (Biochemical Oxygen Demand, BOD) loading capacity. The monthly average hydraulic (flow) capacity of the TCRWWTP is 8.5 million gallons per day (mgd). The organic loading of pollutants is the measure of the presence of BOD in the waste stream entering the treatment facility in pounds per day (lbs./day) and represents the strength of the wastewater. The BOD loading capacity for the TCRWWTP is 20,200 lbs./day. The Michigan Department of Environment, Great Lakes and Energy (EGLE) requires that when a facility is within 80 percent of its design capacity, a plan be devised to either add capacity to a facility or reduce loadings. The graphs below compare actual influent flows and loadings with plant capacity. **Note: BOD loadings and influent flows may fluctuate from day to day, as a result of the dynamic nature of wastewater characteristics.**

## Influent Flow vs. Plant Capacity



The maximum annual average influent flow for the previous 5-years occurred in 2019-2020 and amounted to 69.4% of the plant's hydraulic capacity. To date, 2021-2022 annual average influent flows are trending lower than previous years, accounting for approximately 57.3% of the plant's hydraulic capacity. The maximum average flow for April was 5.01 MGD, which is 58.9% of the plant's capacity. The monthly average influent flow was 4.55 MGD, which is 53.5% of the plant's capacity.

## Biochemical Oxygen Demand (BOD) Loadings vs Plant Capacity

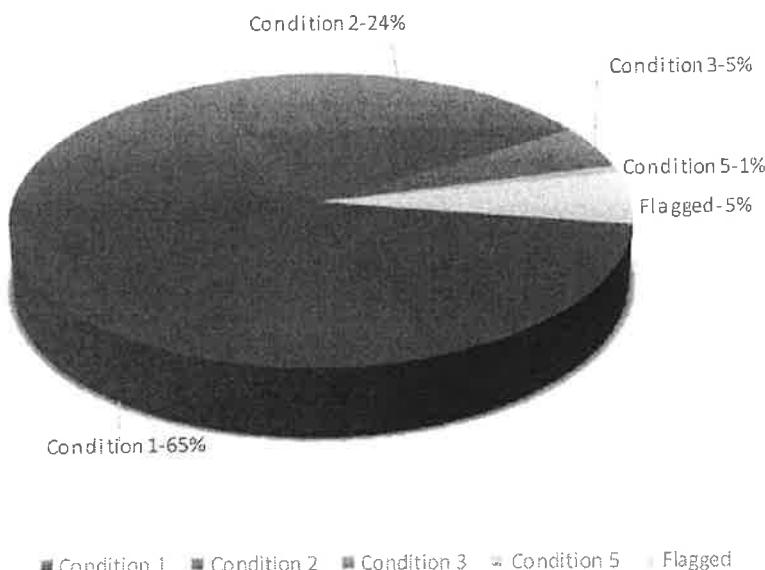


The trend for annual average BOD loadings mirrors the flow trend because flows are used in the calculation of BOD loadings, and BOD loadings are directly related to flows. Thus, an increase in flow will increase loadings. The maximum annual average BOD loading for the previous 5-years occurred in 2019-2020 and amounted to 51.3% of the plant's loading capacity. To date, 2021-2022 annual average influent BOD loadings are trending lower than previous years, accounting for approximately 43.1% of the plant's loading capacity. The maximum BOD loading for April was 8,913 lbs./day, which is 44.1% of the plant's capacity. The monthly average BOD loading was 7,851 lbs./day, which is 38.9% of the plant's capacity.

## Operations and Maintenance

### General

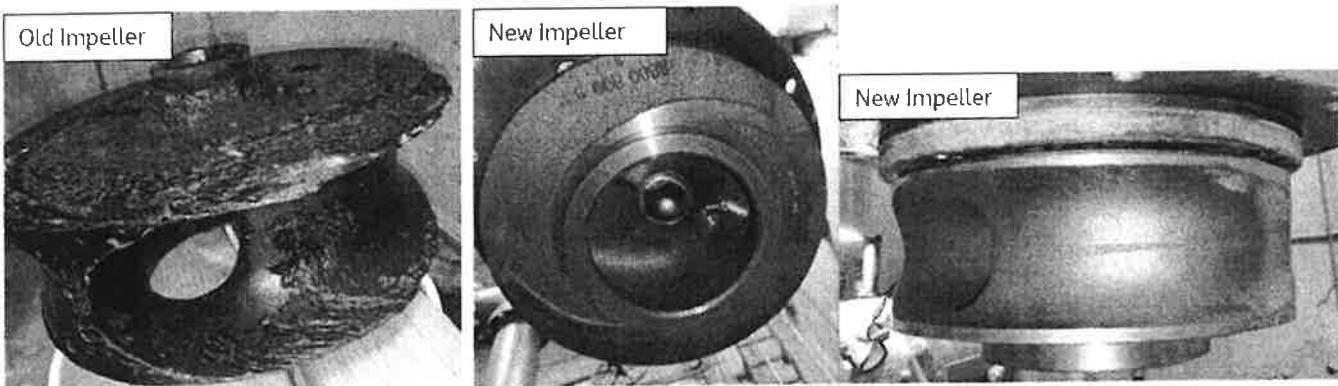
Traverse City RWWTP and Lift Stations Critical Asset Condition



In 2016, as part of our general scope of work, Jacobs completed a comprehensive condition assessment on over 800 critical assets located at the treatment facility and lift stations. The condition assessment was used to identify and prioritize capital improvement projects. Since 2016, we have completed several capital improvement projects and the condition of the equipment (assets) has changed, making it necessary to perform another condition assessment. We began this process in March and will provide a report when it is completed. The overall result of the 2016 Condition Assessment is depicted in the Traverse City RWWTP and Lift Stations Critical Asset Condition pie chart. (Note: Condition 1 is the best score an asset can receive) The results showed that, in 2016, 89 percent of the critical assets at the TCRWWTP and lift stations were in very good condition. Only 6 percent of the assets require(d) some immediate maintenance or repair, and 5 percent could not be accurately assessed at the time of the assessment.

### Pump Stations (lift stations)

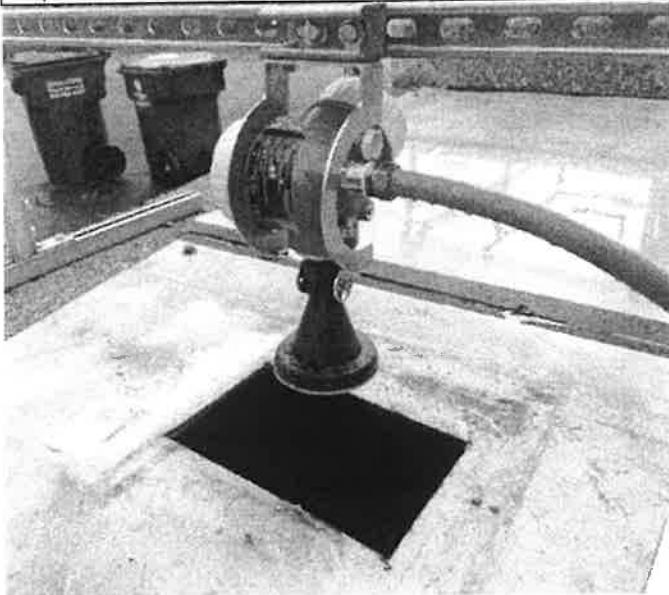
We completed the rebuild of both Birchwood Lift Station pumps. This repair included replacement of each pump's impeller, wear ring and seal oil. Following completion of the repairs and commissioning both were returned to service. As a result of the repairs 33% of pumping efficiency was regained therefore reducing run time, electrical consumption and regaining near original design capacity. The following images show the degree of wear on the replacement parts.



The Birchwood pump station basement sump pump was also replaced.

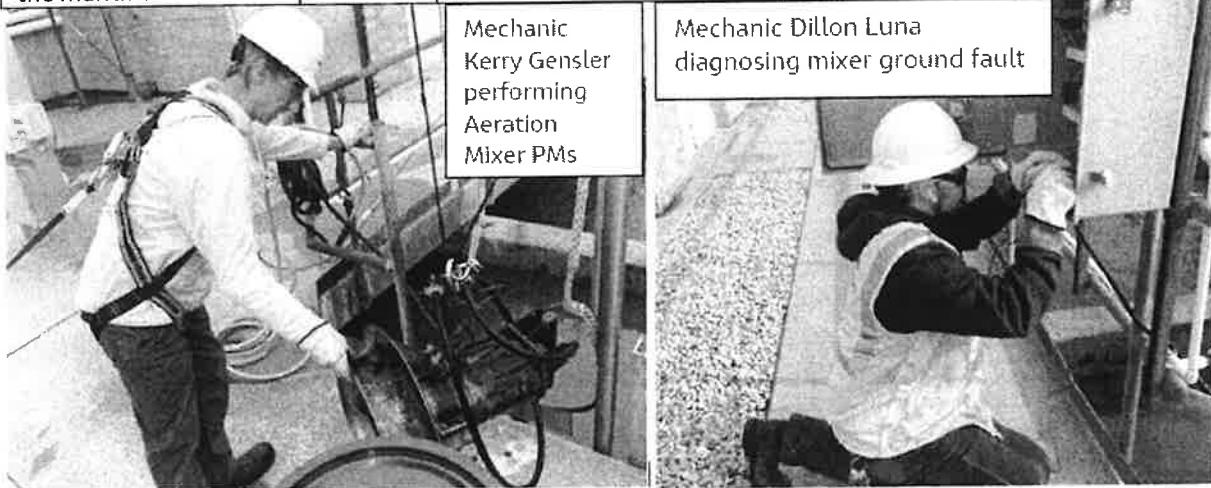
## Headworks (Preliminary/Primary Treatment)

The east influent Parshall flume level transducer was replaced with an upgraded model due to intermittent inferences with the previous model. The transducer was under warranty and replaced at no cost outside of installation labor.



## Secondary Treatment

Preventive maintenance (PM) was completed on all 24 aeration basin mixers. One mixer was experiencing intermittent ground faults. We performed a megger test which confirmed the faults were actual and repair inspection was necessary. The mixer was removed and sent to the manufacturer for inspection. A spare mixer was installed in its place.



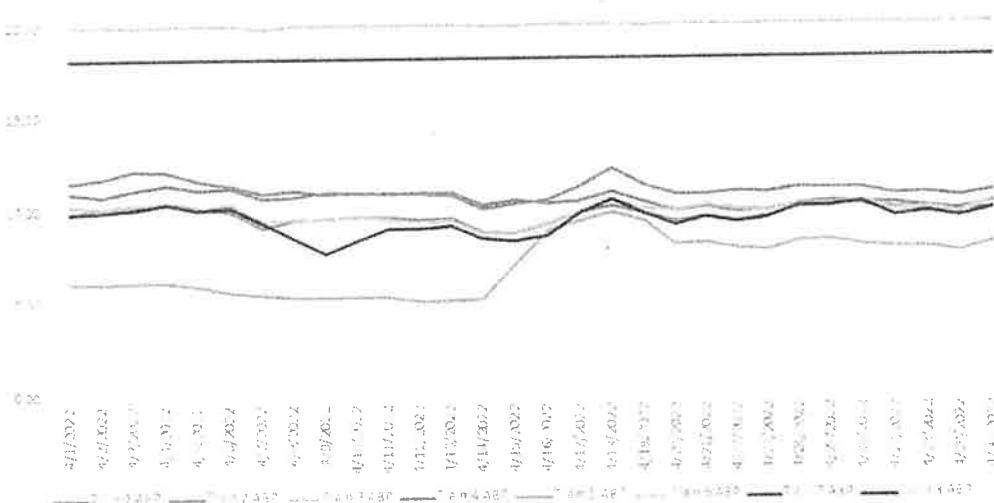
North Screw Compressor Replacement



The two screw compressors shown left, supply air to plant air actuated equipment such as valves, pumps etc. The north unit was failing and due to its age and cost to rebuild we determined replacing with a new unit was the most cost effective and long-term reliable option.

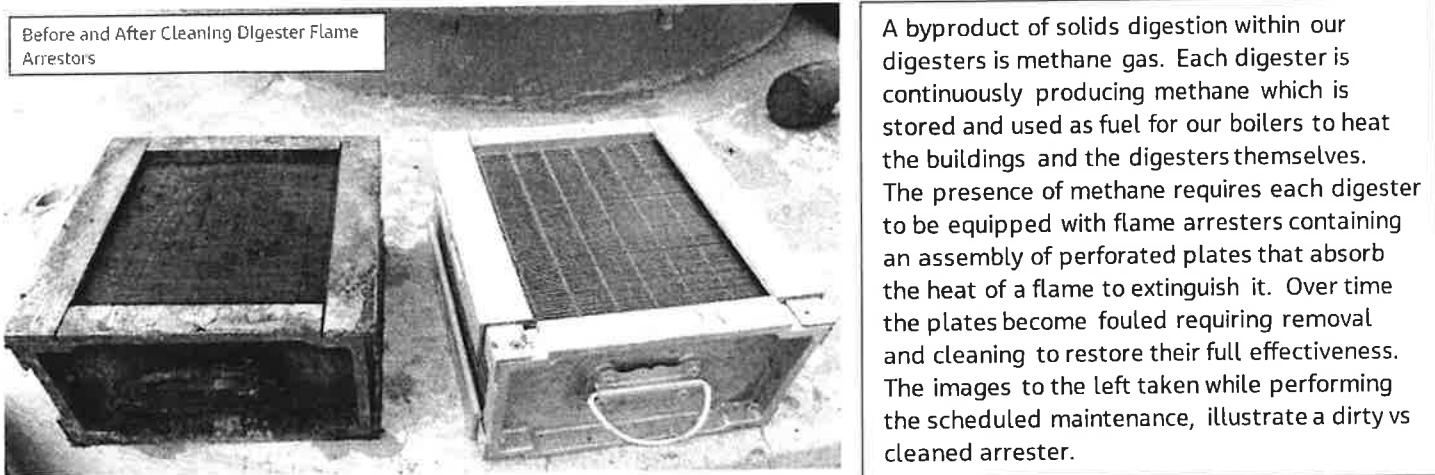
We replaced a failed air solenoid valve on membrane train 8's scour air control valve.

April 2022 Permeability



We are able to permeate at a rate that meets current flow demands and produces an effluent that meets, and for many parameters, exceeds EGLE requirements. Train 5's increased permeability is a result of a recovery cleaning.

## Solids Handling



We replaced the 35 amp breaker feeding our gravity belt concentrator discharge pump and its variable frequency drive (VFD).

## Biosolids Storage

Our spring biosolids haul began in April and continued into May. Total gallons hauled will be reported in next month's report.

## Disinfection

No updates for this month.

## Ancillary Equipment

The administration building generator failed to transfer to generator power while performing preventive maintenance testing. A failing USB port on the transfer switch control panel was identified as the cause of failure. The USB cable was moved to another port to resolve the issue.

## SCADA Security

No updates for this month

## Community Support | Sustainability Efforts



On Earth Day we volunteered planting trees at the Brown Bridge Quiet Area for the Grand Traverse Conservation District.

Image below: Maintenance Supervisor Andrew Waldron (less than thrilled having his picture taken) is taking care of trash collected from around the TART trail and fence line surrounding the facility. We target to allocate time each week to perform this task.

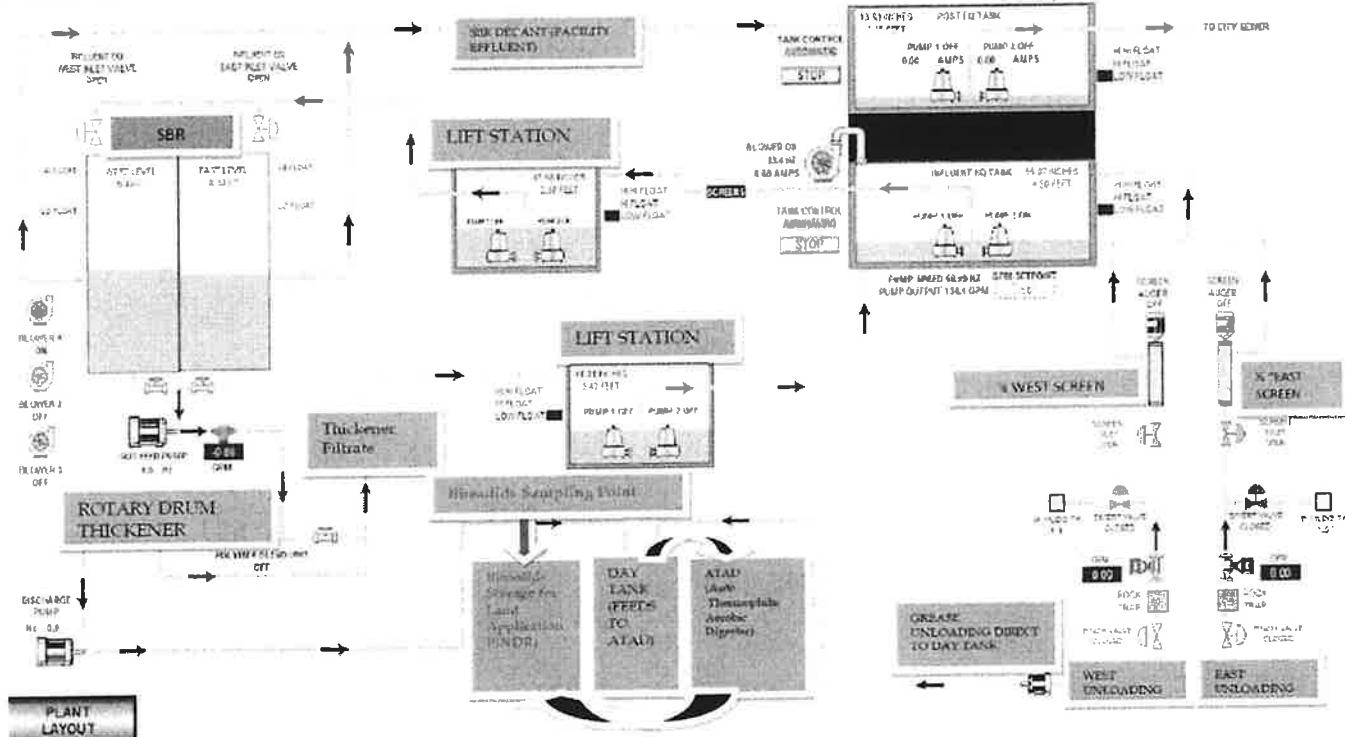


## Provided Tours For

- ✓ Grand Traverse County Board Members – April 18<sup>th</sup>
- ✓ NMC students - April 25<sup>th</sup>

## Grand Traverse County Septage Treatment Facility (GTCSTF)

### Plant Schematic



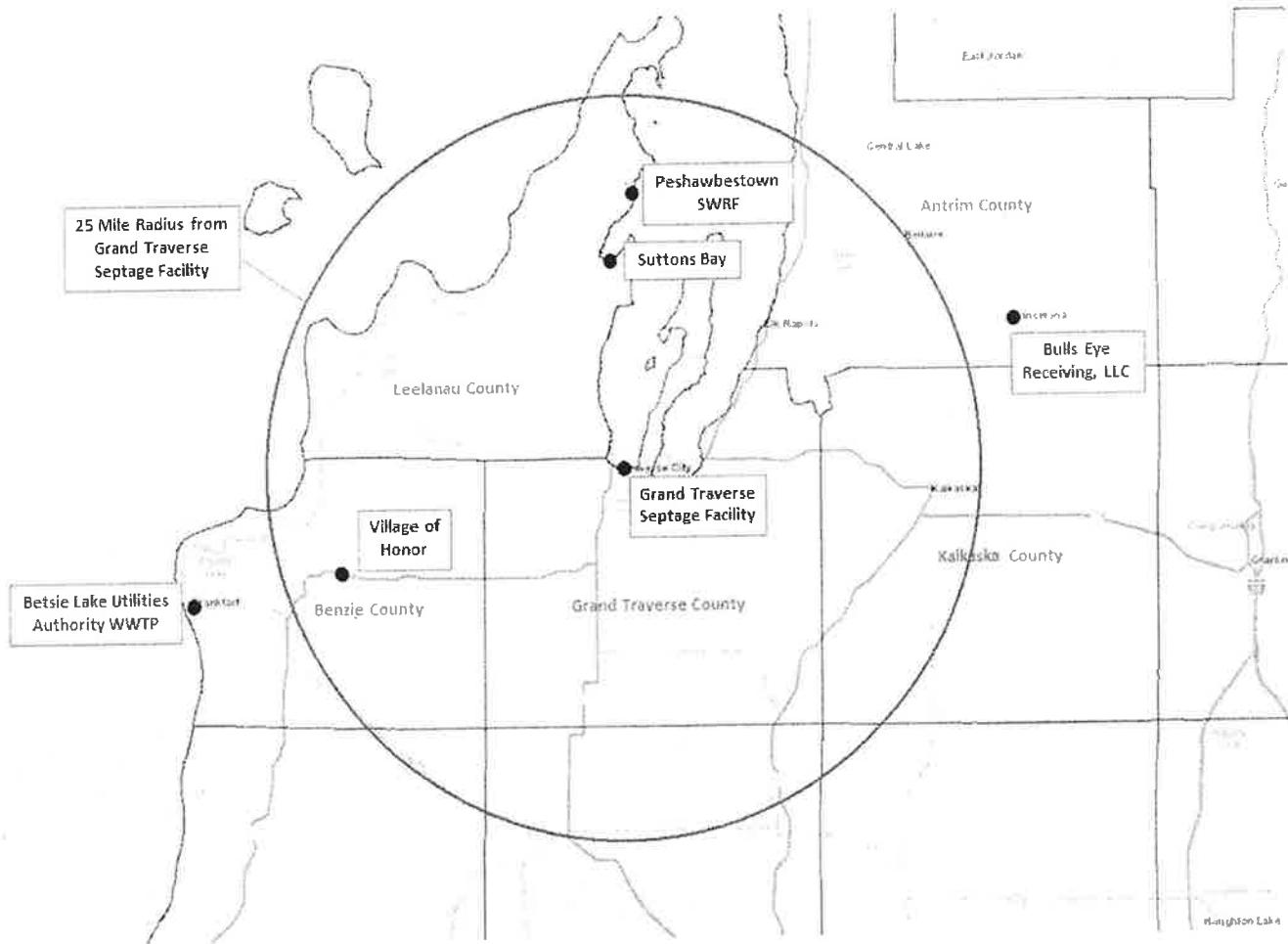
### Process Status

The general condition and operating status of the facility's equipment, and issues of concern are summarized in the GTCSTF Process Status Overview Table or in the attached GTCSTF Capital Improvement/Repair Initiatives Table.

Grand Traverse County Septage Treatment Facility Process Status Overview					
Related Documents: Report on Engineering Inspection and Condition Assessment -Grand Traverse County Septage Treatment Facility, NTH December 2018 / Grand Traverse County Septage Treatment Facility Condition Assessment, Jacobs 2019   Grand Traverse County Septage Treatment Facility-Capacity Evaluation, Jacobs 2019					
Process Area	In Service	Rated Solids Capacity	Used Capacity, per the 2019 Capacity Study	Equipment Status	Capital Improvement/Repairs Scheduled
Sequence Batch Reactor	2005	20,500 gpd (peak month)	32,000 gpd (peak month)	Inservice	Repairs needed to tank's roof and walls per the 2018 structural assessment- in process   Capacity increasing projects have been included in the facility's CIP
Auto thermophilic Aerobic Digester	2005	10,000 lb./day at 5% total solids (TS) with 69% volatile	4,700 lbs./day or 47% of design capacity (peak month)	Inservice	Day tank and ATAD tank-tank and roof repairs needed per the 2018 structural assessment are scheduled in the CIP
Storage Nitrification/Denitrification Tank	2005	150 days of Storage Recommended	150 days of Storage	Inservice	Capacity increasing projects will be included in the CIP

## Compliance

As required by the facility's state approved operations plan; holding tank, grease, septage, and preapproved special waste generated within a 25 miles radius of the facility, was able to be accepted 24 hours a day, seven days a week throughout the month of March.



## Treatment Facility Operations and Maintenance

The facility is operating well.

The spring biosolids haul concluded on Tuesday April 19<sup>th</sup> with over 170,000 gallons land applied.

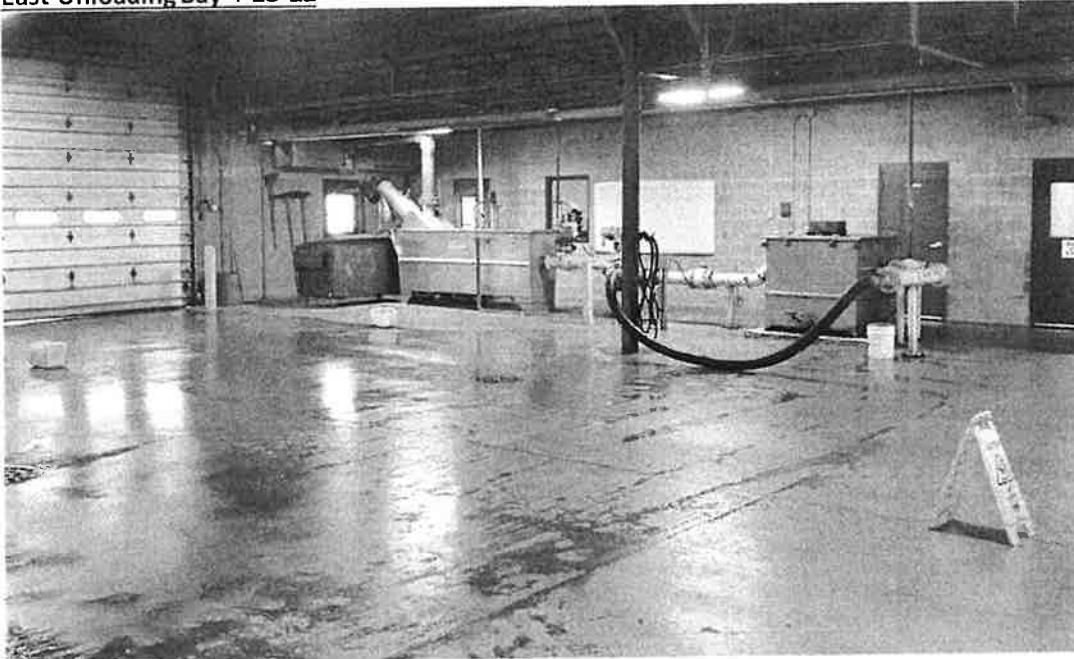
Our previously reported SCADA system issues were resolved.

## Unloading Bays

The automatic opener for the southeast garage unloading bay entry door failed. We facilitated its replacement the same as we did with the southwest door last month. Using the automatic opener from the dewatering building's other garage door, which is used also used infrequently. A chain operated opener was installed for this dewatering building garage door. Given a new chain opener cost approximately \$400 and a new automatic opener would have amounted to roughly \$3,000 and lengthy unloading bay down time.

The minimum 7-day moving average for offloading rates in April was 134 gallons/minute and the average was 166 gallons/minute. Our minimum target is 125 gallons/minute. The pictures below, depict the general condition of the unloading bays. The bays are cleaned a minimum of twice a day.

**East Unloading Bay 4-28-22**



**West Unloading Bay 4-28-22**



TCRWWTP Discharge Monitoring Report - April, 2022

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## Project Financial Summaries

### TCRWWTP

Traverse City CY32 (2021 - 2022)	CY32 Annual Budget	YTD Actuals	Budget Remaining	22-Apr		
				CMO Budget	CMO Actuals	CMO Variance
Ferric Chloride	117,369.00	108,573.36	8,795.64	9,780.75	11,023.17	-1,242.42
Electricity	461,004.00	333,133.20	127,870.80	38,417.00	36,816.60	1,600.40
Repairs	125,000.00	123,818.73	1,181.27	10,416.67	3,561.78	6,854.89
<b>Total</b>	<b>703,373.00</b>	<b>565,525.29</b>	<b>137,847.71</b>	<b>58,614.42</b>	<b>51,401.55</b>	<b>7,212.87</b>

### GTCSTF

Grand Traverse CY17	Total Budget	Current Month		Budget Remaining
		Expensed	Apr-22	
Repairs/Maintenance				
Repairs	20,000		867.12	11,518
Influent Tank Cleaning	40,000		-	40,000
Post EQ Tank Cleaning	20,000		-	20,000
Biosalids Disposal	77,267		-	896
Grit Removal	19,500		-	2,221
<b>TOTALS</b>	<b>176,767</b>		<b>867.12</b>	<b>14,635</b>
				<b>162,132</b>

Note: There were no repair expenses over \$1,000.00 this month

## TCRWWTP Headworks Equipment Status Overview

Headworks Equipment Status Overview					
Related Documents: TCRWWTP Condition Assessment, Jacobs 2016   City of Traverse City, Asset Management Plan, Wastewater Plant and Collection Systems, Jacobs 2017   Headworks and Primary Treatment Options, HRC final January 2021   CWSRF Wastewater Improvements Project Plan, HRC April 2021					
Equipment	In Service	Average Design Capacity	Current Capacity	Equipment Status	Capital Improvement/Repairs Scheduled
Automatic Coarse Screen	1991	8.5 MGD	8.5 MGD	In-service   Equipment is obsolete and no longer supported	Included in Clean Water State Revolving Fund Grant application submitted April 2021   Incorporated in item # 904 of 2022 CIP plan
East Grit Chamber	1976	6.5 MGD	6.5 MGD	In-service   Equipment is in need of upgrade	Included in Clean Water State Revolving Fund Grant application submitted April 2021   Incorporated in item # 904 of 2022 CIP plan
West Grit Chamber	1959	6.5 MGD	0	Out of Service (OOS)   No grit removal redundancy	Repair is scheduled   Included in Clean Water State Revolving Fund Grant application submitted April 2021   Incorporated in item # 904 of 2022 CIP plan draft
Primary Header	1959/1976	8.5 MGD	8.5 MGD	Portions of the pipe have failed replacement is urgent.	Interim repair of pipe wrag completed in 2022   Included in Clean Water State Revolving Fund Grant application submitted April 2021   Incorporated in item # 904 of 2022 CIP plan draft
Primary Settling Tanks	1932 {Inside tanks}   1976{Outside tanks}	8.5 MGD	6.4 MGD (approximate)	2 tanks OOS   Equipment in the 6 remaining in service tanks has reached the end of its useful life.	Capital improvement project #904   Included in Clean Water State Revolving Fund Grant application submitted April 2021   Incorporated in Item # 904 of 2022 CIP plan draft   Purchase of repair parts for 6 in-service tanks complete
Fine Screens	2004	20 MGD {2 screens - 10 MGD/Screen}	10 MGD	1 Screen-OOS   No redundancy	Inspection was completed by manufacturer   City Commission approved refurbishment of the East unit in February 2022   Repair of west unit is included as item# 1237 in 2022 CIP plan draft
Screw Pumps	2020-Screw Pump 1 1976 -Screw Pumps 2 and 3	20 MGD {10 MGD/Screw Pump; 1 redundant screw pump}	20 MGD	All 3 pumps in-service	Capital improvement project #893   Included in Clean Water State Revolving Fund Grant application submitted April 2021   Incorporated in item # 904 of 2022 CIP plan draft

## TCRWWT Secondary Treatment Equipment Status Overview

### Secondary Treatment Equipment Status Overview

Secondary Treatment Equipment Status Overview					
Related Documents: TCRWWTP Condition Assessment Jacobs 2016   City of Traverse City Asset Management Plan, Wastewater Plant and Collection Systems, Jacobs 2017					
Equipment	In Service	Average Design Capacity	Current Capacity	Equipment Status	Capital Improvement/Repairs Scheduled
2-Aeration Basins and Related Equipment	1976	8.5 MGD	8.5 MGD	2-basins on line	Aeration Basin/Aerating Equipment/Evaluation Capital Improvement Project #1079   Aeration Basin/Aerating Equipment Upgrade per CIP#1079 Capital Improvement Project #1171.
8-Membrane Trains and related pumps, and compressors	Oldest Train put into service 2014	8.5 MGD	7.4 MGD	Membrane Train 7 OOS-assessing the failure of the tank coating-removing failed coating from cassettes and tank, then assessing cause of coating failure. Membrane will be returned to service once coating has been removed. Coating replacement forthcoming	2nd Membrane Replacement Capital Improvement project #C44 (2025-2026)   Membrane train enclosure engineering evaluation CIP #1172   Enclose Membrane Trains per CIP#1172 Capital Improvement Project #971 Membrane Distribution and RAS Channel Aeration Line Replacement Capital Improvement Project #900   Train 7 is OOS as a result of coating failure. Jacobs is working to get the membrane cassettes back in service.
3-Return Activated Sludge Pumps	2004	30 MGD (15 MGD/pump)	30 MGD	Inservice	None at this time
2-Waste Activated Sludge Pumps	2004	139,100 to 198,700 gpd (Dependent on Concentration,	139,100 to 198,700 lnservice good	Inservice	None at this time
5-Scour Air Blowers	Oldest Blower put in service 2004	4117 CFMs/Blower	4117 CFMs/Blower	Inservice	Scour Air Blowers Overhaul Capital Improvement project # 1073- Overhauling 1 blower per year-3 blowers have been overhauled-2 more to complete

## TCRWWTP Solids Handling Equipment Status Overview

### Solids Handling Equipment Status Overview

Related Documents: TCRWWTP Condition Assessment, Jacobs 2016/ City of Traverse City, Asset Management Plan, Wastewater Plant and Collection Systems, Jacobs 2017

Solids Thickening Equipment Status Overview					
				Capital Improvement/Repairs Scheduled	
	In Service	Rated Solids Capacity	Current Capacity	Equipment Status	
1-Gravity Belt Concentrator(GBC)-related polymer units, and 2-Sieve Drum Concentrators-related equipment	2004	1,800 lbs./hr.	1,800 lbs./hr.	Inservice	Upgrade Digested Solids Thickening Equipment Capital Improvement #1078 [Currently planning GBC repair/rehabilitation]
Solids Stabilization Equipment	1956	3,000 lbs./hr./unit	3,000 lbs./hr./unit (1 redundant unit)	Inservice	Upgrade Digested Solids Thickening Equipment Capital Improvement #1078
Digester 1-related equipment	1932	Design Solids Volume to Digesters	Volume to Digesters	Equipment Status	Capital Improvement/Repairs Scheduled
Digester 2-related equipment	1932	TBD	TBD	Out of Service	Condition Assessment Digesters 1 & 2 Capital Improvement Project #912
Digester 3-related equipment	1959-Reburbished with Linear Mixer 2020	75,820 combined gallons per day	57,623 combined gallons per day	Inservice	None at this time
Digester 4-related equipment	1959			Inservice   recirculation pump is OOS	Digesters 4 and 5 Condition Assessment Capital Improvement Project #1175 Digester 4 Reconstruction Capital Improvement Project #1176 Planning the Recirculation Pump Repair
Digester 5-related equipment	2004			Inservice	Digesters 4 and 5 Condition Assessment Capital Improvement Project #1175 Digester 5 Reconstruction Capital Improvement

## TCRWWTP Biosolids Storage and Disinfection Equipment Status Overviews

### Biosolids Storage Equipment Status Overview

Related Documents: TCRWWTP Condition Assessment, Jacobs 2016/ City of Traverse City, Asset Management Plan, Wastewater Plant and Collection Systems, Jacobs 2017

Biosolids Storage Equipment Status Overview					
				Capital Improvement/Repairs Scheduled	
	In Service	Designed Capacity	Current Capacity	Equipment Status	
4 Tanks-West Biosolids Storage and Loadout Station Equipment	1958-New progressive Cavity pumps installed 2018	1.6 MG	1.6 MG	One of two progressive cavity pumps is OOS.	No capital improvements scheduled at this time. The coupler on the east pump failed. Jacobs is obtaining quotes for repair parts.
3 Tanks-East Biosolids Storage and Loadout Station Equipment	2004	1.3 MG	1.3 MG	Inservice	No major repairs or capital improvements scheduled at this time.

#### Disinfection Equipment Status Overview

Related Documents: TCRWWTP Condition Assessment, Jacobs 2016   City of Traverse City, Asset Management Plan, Wastewater Plant and Collection Systems, Jacobs 2017   Traverse City Regional Wastewater Treatment Plant Ultraviolet Disinfection Evaluation, Jacobs September 2017   Michigan Department of Environment, Great Lakes, and Energy Administrative Consent Order 05337, Executed July 2019				
Equipment	In Service	Peak Design Capacity	Current Capacity	Equipment Status
Ultra Violet Disinfection System   6 UV Modules	1995-Modified per ACO May 2021	17 MGD	13.3 MGD	Inservice

#### TCRWWTP Ancillary Equipment Status Overview

##### Ancillary Equipment Status Overview

Related Documents: TCRWWTP Condition Assessment, Jacobs 2016   City of Traverse City, Asset Management Plan, Wastewater Plant and Collection Systems, Jacobs 2017				
Ancillary Equipment	In Service	Equipment Status	Equipment Status	Capital Improvement/Repairs Scheduled
HVAC Systems-Membrane Building, Administration Building, Digester 5 Building, GBC Building SCADA and PLCs	In Service	Administration Building HVAC-Heating element is the only component working   All other HVAC	Administration Building HVAC Upgrade Capital Improvement #1075   Approved by City Commission on 11-15-21-Upgrade in progress	
Permeate Reuse System	2004	Terminal Server is not functioning as intended	Plant PLC Upgrade Capital Improvement #970   SCADA Upgrade Capital Improvement #795   Terminal Server Replacement approved by Commission on 11-15-21, replacement in progress.	
Methane Gas System Including Boilers	1950's	Inservice	None at this time	
Generators	1976 Administration building/2004 Membrane Building	Inservice-Ugrade needed to monitor gas production volume and quality to better understand sustainable use options	Methane Gas Metering Capital Improvement #1037   Boiler Controls Upgrade Capital Improvement #1077	Purchase of replacement portable generator identified as Capital Improvement #1032; Portable generator purchased and received awaiting final commissioning   Administration Building Generator Capacity Evaluation included in CIP# 1168
Plant Electrical Components	Miscellaneous-Arc flash evaluation completed 2021	Inservice		Plant Electrical Engineering Evaluation Capital Improvement #1168
Yard Piping	1930s,1950s,1970s,1990s,2000s	Inservice	Yard Piping Engineering Evaluation Capital Improvement #1173   Portions of the piping will be evaluated and addressed, as needed, in correlation with process upgrades	

## TC Lift Station Status Overview

### Lift Station Equipment Status Overview

**Related Documents:** TCRWWTP Condition Assessment, Jacobs 2016 | City of Traverse City, Asset Management Plan, Wastewater Plant and Collection Systems, Jacobs 2017 | Front Street Lift Station Force Main Capacity Analysis, Jacobs March, 2021

Lift Station Equipment	Current Capacity Used, per 2019 Testing (Capacity will be evaluated as part of the scheduled engineering studies)	Equipment Status	Capital Improvement/Repairs Scheduled
Bay Street Lift Station	42%	Inservice	Engineering Evaluation Birchwood and Bay St Lift Station Capital Improvement #1C00. Both pumps were repaired in April 2022 (Replaced impellers, wear rings and seal oil).
Birchwood Lift Station	70%	Inservice - isolation valves need to be replaced	Engineering Evaluation Birchwood and Bay St Lift Station Capital Improvement #1C00
Clinch Park Lift Station	8%	Inservice	Engineering Evaluation of Clinch Park and Coast Guard Lift Stations Capital Improvement #967
Coast Guard Lift Station	26%	Inservice	Engineering Evaluation of Clinch Park and Coast Guard Lift Stations Capital Improvement #967
Front Street Lift Station	70% (per Front Street Lift Station-Force Main Capacity Analysis)	Inservice	Front Street Lift Station Engineering Evaluation Capital Improvement #1C02   Front Street Lift Station Upgrade Capital Improvement #1C01
Hull Park Lift Station	TBD	Inservice	None at this time
Riverine Lift Station	7%	Inservice	Engineering Evaluation Woodmere and Riverine Lift Stations Capital Improvement #1031
TBA Lift Station	24%	Inservice	Not at this time
Woodmere Lift Station	65%	Inservice	Engineering Evaluation Woodmere and Riverine Lift Stations Capital Improvement #1031

## TCRWWT Repair Initiatives

TCRWWT Repair Initiatives		
Repair Initiatives Description	Estimated Cost	Current Status
Replacement of Birchwood lift station pump valves - City issued PO to Kerr Pump - Approved 9-20-21	\$27,155	Complete
UV system change order - approved 8-2-21	\$4,029	Complete
Scour Blower D Replacement CIP 1073	\$44,794	Complete
Rehabilitation of the East Biosolids Building Sump Station - Change order approved - 10-4-21 Project total provided includes change order.	\$26,558	Complete
Aeration blower replacement - approved 7-19-21 - PO issued by City - Not completed -	\$54,400	Complete
Screw pump #1 emergency repair - City payment to Jacobs approved 7-6-21	\$254,851	Complete
WWTP Switch Gear Repairs - Change order of \$43,500.00 for portable generators approved by CC 10-18-21. Total includes change order. City issued PO	\$111,265	Complete
Front Street Lift Station Transfer Switch - CC approved 12-6-21 - City issued PO	\$14,559	Complete
Front Street Lift Station Spare Rotating Assembly Repair	\$19,000	In Process
Digester #5 recirculation pump B VFD - CC approved 10-18-21 - City issued PO	\$9,825	Part on order
Digester #5 recirculation pump A VFD - New Spending Policy (CC approval not needed)	\$10,300	Complete
East Fine Screen Repair - CC approved 2-7-22	\$150,000	CC approved 2-7-22. PO in process
Primary tank spare parts - Jacobs requested confirming PO. CC approved 12-6-21.	\$14,220	Complete
Terminal Server Replacement - Jacobs OOS - CC approved November 15th 2021.	\$42,243	In Process
Administration building HVAC Upgrade (CIP 1075-21) - CC approved 11-15-21 - City issued PO	\$93,000	In Process
Purchase of two digester 4 recirculation pump rotating assemblies, installation of one rotating assembly and replacement/refurbishing of eight Township automatic refrigerator samplers and enclosures. OOS approved by CC on 9-7-21. Fully executed agreement received.	\$120,655	Digester 4 recirculation pump installation is complete. Township samplers arrived scheduling install
W-3 water piping replacement approved - 9-7-21 - Cost originally \$15,925.00 - City approved and PO issued when scheduling contractor they stated price significantly increased over 60% - Jacobs proposed OOS at cost to complete repair ASAP - CC approved 11-15-21	\$18,500	Complete
Purchase 2 - Maxon Digester gas valves - approved 9-20-21 - City PO issued - Change order needed to cover cost increase of \$656.00 city requested \$725.00 not to exceed change order. Cost includes the not to exceed amount. CC approved 11-15-21.	\$17,110	Awaiting parts
SARS COVID 2 WW study support OOS - Approved 9-7-21 - On going to 2023 - Not complete - received signed agreement from City. Billing on Monthly bases as needed.	\$11,112	Invoice as incurred

## TCRWTP Capital Improvements

TCWWTP Capital Improvement Items		
Item	Estimated Cost	Details
Front St., Birchwood, and Bay St Lift Station Condition Assessment and Engineering Study (CIP 1000)	\$40,000	Project awarded to Tetra Tech
Primary Header Epoxy Wrap Repair (Replaced CIP 902)	\$110,000	Primary Header Replacement per HRC Evaluation performed in 2019-2020. This project is prioritized in accordance with the AMP for the facility and lift stations. CA rated primary treatment as 2nd highest risk prior to primary header failing and after digester 3 being taken out of service. CC approved 10-18-21. Project Completed 2-10-22.
Administration Building HVAC Upgrade (CIP 1075-21)	\$93,000	The HVAC system in the administration building at the facility does not work properly. This project would upgrade the system so that temperature, particularly in the laboratory, can be controlled adequately. Approved by Commission on November 15th 2021. HVAC replacement currently in process.
Annual Equipment Rehab/Replace (> or = \$0K) (CIP 1174-21)	\$200,000	Annual Equipment Rehab/Replacement [Items over \$9,000] all items subject to prior City Commission Approval - Funds maintenance of 1,954 assets to ensure they can be properly maintained per state regulator approved asset management plan.
Scour Air Blower Overhaul - 5 Blowers Total (CIP 1073)	\$47,250	See CIP plan for details - 2021-2022 Complete
UV System Upgrade Engineering (CIP 1170)	\$50,000	UV system upgrade engineering study including part 41 submission to EGLE by December 31st 2024 per July 3rd, 2019 ACO and is in accordance with the AMP prioritization - CA rated the UV process the 4th highest risk prior to UV limited capacity being ID'd.

## GTCSTF Capital Improvement/Repair Initiatives

Updated: December 2021

(Separate from the recommended CIP projects, \$60,000 is included in the facility's annual budget for the cleaning of the influent and post equalization tanks. All other top facility issues and related projects are included in the table below)

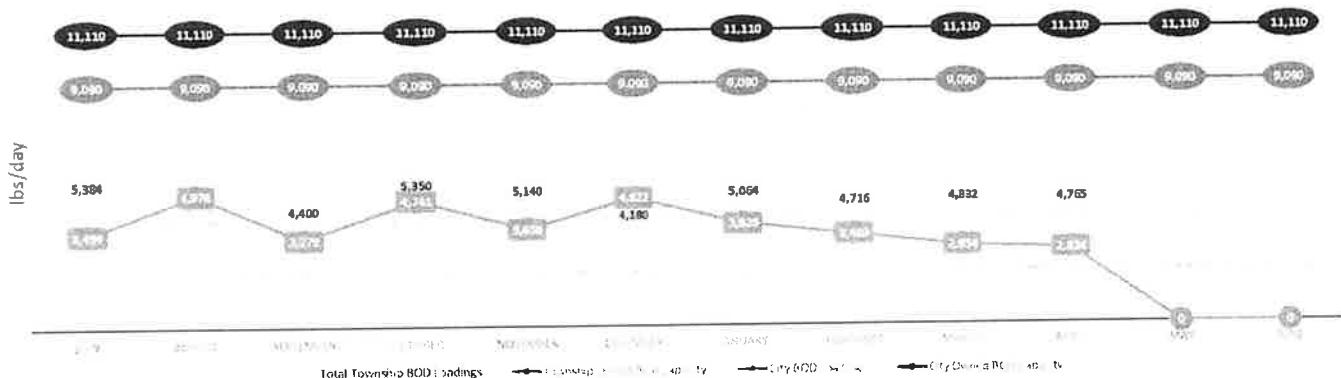
Contract Year	Project	Estimated Cost	Updated Cost per Quote
2022	ATAD Foam Level Sensor-on order	\$8,500.00	\$8,500.00
2022	ATAD Jet Pump Stainless Steel Rotating Assembly and Volute	\$110,000.00	\$122,439.55
2022	Replace Both Submersible Pumps in Lift Station 1-includes pumps and install labor (No redundancy, pumps no longer supported, year put into service 2005, we do have an emergency work around)	\$35,000	\$35,000
2022	Grit Removal Project- Part 1 (If started will then have to complete Part 2 in 2023)	\$300,000	\$300,000
<b>2022 Total</b>		<b>\$453,500</b>	<b>\$465,940</b>
2023	RDT Discharge and Feed Pumps Rebuild Parts (\$11,701.00)	To be paid for with capital project funds. The capital project budget for 2023 is \$60,000. Currently, the planned purchases amount to roughly \$37,000.	
2023	ATAD Feed Pump Rebuild Parts (\$19,331.40)		
2023	ATAD Feed Pump Motor (\$2,415.33)		
2023	4" & 6" 3654 Victaulic Valves (\$2,355.85)		
2023	Replacement Polymer Pump (\$1,175.54)		
2023	Grit Removal Project- Part 2-Project completed and equipment brought online	\$260,000	\$260,000
<b>2023 Total</b>		<b>\$320,000</b>	<b>\$320,000</b>

### TCRWWTP BOD LOADINGS SUMMARY

Traverse City and Grand Traverse County Townships- Daily Average BOD Loadings (lbs/day) 2021-2022												
	July	August	September	October	November	December	January	February	March	April	May	June
Garfield Township	2812	3154	2740	3191	2857	2346	3219	2996	2986	2882	0	0
Peninsula Township	54	41	49	55	65	65	77	63	54	60	0	0
Elmwood Township	476	311	318	314	327	268	294	256	247	249	0	0
Acme Township	549	789	763	879	865	1148	815	875	834	894	0	0
East Bay Township	1493	427	530	911	1026	353	659	526	711	680	0	0
Traverse City	3494	4976	3279	4741	3656	4822	3826	3403	2954	2824	0	0

Traverse City and Grand Traverse County Townships- Total Daily Average BOD Loadings (lbs/day) 2021-2022												
	July	August	September	October	November	December	January	February	March	April	May	June
Total Township BOD Loadings	5,384	4,722	4,400	5,350	5,140	4,180	5,064	4,716	4,832	4,765	0	0
Township Owned BOD Capacity	9,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090
City BOD Loadings	3,494	4,976	3,279	4,741	3,656	4,822	3,826	3,403	2,954	2,824	0	0
City Owned BOD Capacity	11,110	11,110	11,110	11,110	11,110	11,110	11,110	11,110	11,110	11,110	11,110	11,110

## BOD Loadings vs BOD Owned Capacities



# May Activities

DPW Shop Report

Submitted by Kent Nothstine

Month: May 2022

General Activities:

- DPW Staff completed EGLE required monthly sampling
- DPW Staff completed monthly operating reports for the water systems
- 5/20 Various faults due to power outage
- Customer meter reads were performed on May 31st
- Master Meter reads were done in conjunction with the City on May 31st

Acme Township:

- 5/12 Sewer-1 Pump-1 VFD had a catastrophic event requiring replacement – parts ordered. Long lead time, looking for other options

East Bay Township:

- Flushed water system to maintain water quality
- 5/11 Sewer 10 Pump 1 low flow – Cleaned
- 5/13 5-mile Booster back online for the summer
- 5/27 Sewer 2 VFD fault alarms – Topline determined the electrical contactors are faulty – disconnected. No action is needed, other alarms are in place doing a similar function
- 5/31 Power loss at sewer stations 6 and 8 – Trailer mounted generators used– Back on Utility

Elmwood Township:

- Nothing of note

Garfield Township:

- 5/11 Sewer 3 Pump 1 low flow - Cleaned
- 5/11 Sewer 5 Pump 2 low flow – Cleaned
- 5/17 Leak on Silver Lake Rd repaired – approximately 210 Customers affected with water shutdown and boil water notice
- 5/18 Fire hydrant repair work at Hammond Place
- 5/19 Boil water notice lifted
- 5/27 Sewer pumps at Garfield 5 and 6 pulled due to low flow - Cleaned and back to normal
- 5/30 Leak Reported on Silver Lake Rd – Scheduling with Elmer's to Repair

Peninsula Township:

- Options being discussed for permanently correcting the problem with Hidden Ridge Station approach

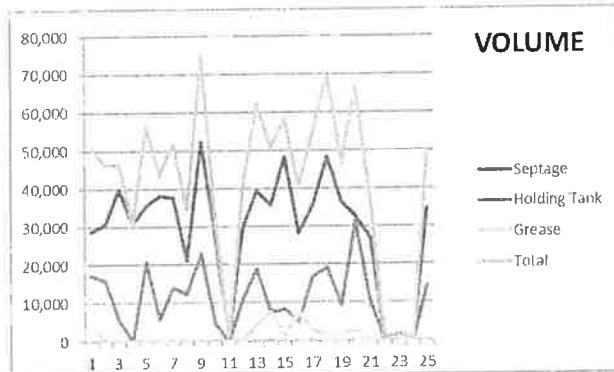


## DPW DIRECTOR'S MONTHLY REPORT\_June 2022

### SEPTAGE TREATMENT FACILITY BUDGET ANALYSIS

2022

FINANCIAL		Y-T-D	BUDGET		
REVENUES	CURRENT		INITIAL	ADJ	AMENDED
FEES & CHARGES	117,437	254,507	1,216,000	-	1,216,000
PERMITS	4,375	18,550	40,000	-	40,000
	121,812	273,057	1,256,000	-	1,256,000
		21.7%			
EXPENDITURES		Y-T-D	BUDGET		
EXPENDITURES	CURRENT		INITIAL	ADJ	AMENDED
PERSONNEL	4,535	21,861	70,308	-	70,308
COMMODITIES	246	948	5,621	-	5,621
CONTRACTUAL SERVICES	19,492	162,059	1,133,085	-	1,133,085
OTHER	18,721	64,196	252,670	-	252,670
CAPITAL OUTLAY	-	-	-	-	-
DEBT SERVICE	-	19,889	143,000	-	143,000
	42,994	268,953	1,604,684	-	1,604,684
		16.8%			
		Y-T-D			
REVENUES	CURRENT				
EXPENDITURES	42,994	268,953			
GAIN/(LOSS)	78,818	4,104			
May		41.7%			



Volume Data: **TOTAL:** 1,048,829 gallons; **AVERAGE:** 41,953 gal/day; **MAX:** 75,270 gallons

- Septage: 745,279 gallons
- Holding: 269,850
- Grease: 33,700

**PFAS/PFOS Testing:** Results came back for biosolids testing at the facility – positive for PFOS at 99 ppb. This means that the facility will need to implement a mitigation plan, which is already drafted and planned on being implemented until results come back at lower amounts or negative. The source of this contaminant is unclear, but EGLE representatives have indicated that it is indicative of landfill leachate, which is not accepted at the facility. Effluent was tested and came back positive and above water quality standards of 12 ng/L. Subsequent testing of the WWTP effluent identified levels well below the water quality standards.

The Facility was tested again on August 12, 2021, with results being very similar to the first round. Jacobs submitted an OOS Proposal for a PFAS Survey that was approved by the board last month. This is for a Phase 1 study to aid in the determination of the source.

Phase 1 Report is complete.

Phase 2 Report is complete.

The DPW issued a cease & desist order to Beacon Recycling for quality of waste. This is expected to reduce PFAS/PFOS coming into the facility.

The DPW issued a cease & desist order to St. Gobain for quality of waste. This is expected to reduce PFAS/PFOS coming into the facility.

Phase 3 is pending.

#### Facility Update(s)

The tank cleaning/inspection project is complete. A presentation was made to the board on January 10<sup>th</sup>, 2019. The following recommendations were included in the final report:

- MBR: additional monitoring of cracks and installation of a waterproofing system (Xypex) to the exterior walls and installation of waterproofing to the topping slab.
- SNDR: undergo water tightness testing and reassess the condition of the flexible liner.
- Day Tank: replace existing flexible liner immediately (within 2-3 yrs) and repair concrete as needed.
- ATAD: the control joints should be filled with sealant; tank access hatch to roof screws replaced with 316 stainless; and removal and repair of the bubbled areas of the EPDM roof.

The Board approved an amendment to the original project to complete the monitoring and to provide estimates of cost regarding several of the recommendations. The amended scope of work, to include capacity study was completed on April 10<sup>th</sup>, 2019. The report was submitted to the BPW, and a presentation was made at a special meeting on April 24<sup>th</sup>.

The following table describes the recommendations resulting from the study:

Table 6.2 Recommended Facility Improvements and Schedule

Capital Improvement: (Immediate Needs)	Capital Cost (2019 Dollars)	Recommended Schedule (See notes below for additional details)
SBR Improvement Project <ul style="list-style-type: none"><li>• Blower Upgrade</li><li>• Diffuser Replacement</li><li>• DLO and Blower Speed Control</li><li>• Add Two Decanters in SBR</li><li>• Increase Number of Decant Cycles</li><li>• SBR Wall Improvements</li></ul>	\$1,607,000	Spring 2019 – Start design Fall 2019 – Construction
Day Tank Liner Replacement	\$223,000 + \$369,000	Spring 2020 Start design Fall 2020 – Construction
Grit Removal Study	\$12,000 (Study Only)	Summer 2019
Capital Improvements: (Dependent Upon Results of SBR Improvement Project)	Capital Cost (2019 Dollars)	Recommended Schedule (See notes below for additional details)
Add Primary Clarifier	\$601,000	Spring 2021 – Start design Fall 2021 – Construction
Add Biosolids Storage Tank	\$153,000	For planning purposes, assume new tank needed in 5-10 years
Add Third SBR	\$1,560,000	Not expected to be needed if primary clarifier provides required additional capacity. Cost is provided as a placeholder if significant increase in flow to the facility is realized in the future.

A revised list of recommendations was presented to the Finance Committee on May 1, 2019. The revisions were a direct result of staff requests to re-prioritize the projects for maintenance and capital with special attention to budget constraints in this fiscal year. This list was updated for the 2022 and the 2023 Budget.

### **Blower Upgrades**

Jacobs submitted an OOS Agreement for the completion of this project. This was discussed at Finance. The BPW approved this project and agreement at its meeting on September 12, 2019. The BPW approved a budget amendment for this work at the February meeting because the project could not be completed in 2019. The Project is complete; 3 of 3 installed.

- **Grit Study**

The grit study is complete, and the final report has been submitted to the BPW. Jacob's recommendations are as follows:

- Purchase and installation of a mechanically cleaned grit removal system by the year 2021. A cost estimate for the project is included in the report as Appendix C; \$492,000, plus contingency of about 20%.

Staff supports the project for several reasons, but most notably is the reduction in operating/maintenance costs for the facility that will pay for the system within 8 years. Subsequent operating costs and annual schedule of cleanings is also reduced.

### **Service Contract – STF Operation and Maintenance**

The new contract has been approved and executed – expires on March 31, 2026 and is renewable in four-year terms unless cancelled. Staff and Jacobs have revised the billing procedures for maintenance projects. The previous method included providing a \$10,000 O&M budget and then reconciling at year end for any costs under/over budget. This created the problem of waiting until year end to get an invoice or refund. With our current CIP, the O&M costs will exceed \$10,000 every year. This made it difficult to budget and plan specific projects. Paying for maintenance as it occurs allows us to prioritize projects and ensure funds are available.

The 1<sup>st</sup> Amendment was approved for 2019, which increased the base fee 2.25%.

A revised Service Agreement (2020) was approved by the BPW in November 2019. Jacob's included additional services related to support/emergency assistance for water and sewer operations on an as-needed basis. A scope of work and contractual rates has been established through the Amendment.

The 2<sup>nd</sup> Amendment (2021) was approved by BPW on January 14, 2021. The Amendment further refines what is considered routine O/M and what is not; will eliminate some more utility bills and will include synchronized budgets for easier management and budgeting.

The 3<sup>rd</sup> Amendment (2022) was approved by the BPW on January 13, 2022.

### **NTH STF Roof Inspection**

NTH completed its inspection of the SBR roof and found maintenance items necessary, but no major issues related to structural integrity. Staff received a final report and the Scope of Work to complete repairs. The initial proposal for oversight on this project was rejected by the Board and staff worked with NTH/Jacobs to revise the scope of work. NTH resubmitted a cost estimate to perform construction oversight and Jacobs provide the RFP Services at no charge. Staff presented the revisions to Finance on May 4<sup>th</sup> and a recommendation to proceed was approved. This proposal includes certified construction oversight and Jacobs to perform general oversight and contract management. Without these items included, there is no guarantee that work is completed per the drawings and scope and cannot be certified to increase capacity at the facility.

## **DPW**

### **1. Staff**

Kent Nothstine, Water/Sewer Manager began work on Monday, February 28, 2022, and Jodi Auvil, Account Clerk also began work on February 28, 2022, but resigned that same week. We have officially filled both positions in the office and are back to full staff. Staff is submitting personnel changes as part of the budget process and reviewed with Finance on May 4<sup>th</sup>. The committee accepted staff's recommendations and recommended the board do the same.

### **2. Budgets**

The 2022 Budget was approved by the Board at our meeting in November. The 2023 Budget was submitted May 31<sup>st</sup>.

### **3. Asset Management Plan(s)**

Basic: Staff submitted the basic asset management plan to the DEQ by March 1, 2018.

GIS Base: Phase 1 included compilation of a base map and data collection. Phase 2 included integration of system documentation such as, lead reports and as-builts. GFA presented the results of Phase 1 and 2 to the Board in February 2017.

**Phase 3** is ongoing and requires inventory of all major and minor assets. Inventory of assets is completed through GPS location of the asset and Condition Assessment of the asset to prioritize the asset's criticality for budgeting and rate setting. This may take several years to complete. GFA and Topline have inspected each major asset and we are developing the condition assessment for each.

Work associated with the CGAP Award has been completed and staff has received payment of the final grant award amount is \$113,811. Staff also received the grant close-out letter. Staff recently submitted a Final Follow-up Report. This is included in this report.

4. **Master Meters:** Cass Road Meter is inoperable; DPW/City agreed to install a temporary meter, but results have been less than ideal. Staff is recommending purchasing a new meter for installation. Quotes will be forthcoming. DPW met with the city and submitted a memo regarding under reported water volumes for Garfield for 2011/2012 – 2017/2018. Staff followed up with an email to include 2019/2020 numbers. Staff met with the city a second time, which resulted in a third meeting due to changes in personnel. Staff prepared a settlement document and is awaiting concurrence from the City prior to submitting to Garfield for final approval.
5. **Customer Meters:** We are slowly getting back to full time meter change outs; still prioritizing installs to minimize impact to our customers and staff due to COVID-19.
6. **Well Systems (Water):** Preliminary testing did not reveal any contaminants in the public water supplies; mandatory routine testing is required for well systems in 2021.
  - a. East Bay Twp was made aware of groundwater contamination near the Airport and Coast Guard and worked with EGLE, the Health Department, and residents to remedy the situation. All 18 properties have been connected to the East Bay system and the project is complete.
7. **Miscellaneous:**
  - a. **COVID-19:** The County is open without mask mandates or protocols except for the health care industry. Individual policies may be in place.
  - b. **Contracts:** The County adopted a new policy requiring the Administrator signature on contracts; BOC approval for those greater than \$25,000.
  - c. **Surplus Equipment:** The DPW is reviewing inventory and submitting requests to designate some items as surplus. The first was a pumping system that has never been used and is taking up valuable space in the Shop. The equipment was sold.

- d. Consumer Confidence Reports: The annual water quality reports are due July 1.
- e. Annual Pumpage Reports are due March 31 and have been submitted.
- f. Lead/Copper Site Plan Updates have been submitted to EGLE.
- g. Miami Beach: The annual pumpage report has been submitted to EGLE.

### **Hoch Road**

Hoch Road debt will exist until the bonds are paid off in 2022; sale of this property before this time is highly unlikely. **The board approved a policy for the use of this property at our last meeting.** Staff has posted the policy online and has installed signage. Issues related to public use of the land are now being handled by the Sheriff's department using existing laws.

### **Standard Specifications**

The 2017 Edition of the Standard Specifications are approved and posted to the DPW website. Staff has begun work on updating these specs to represent current industry and department practices more accurately. These updates will include discussion on public vs. private infrastructure and DPW review of plans.

### **Acme/East Bay Township Sewer**

With Acme sewer bypassing EB#2, the formulas were modified resulting in a slightly different percentage for each township. The previous proportion was East Bay 65%; Acme 35%. Currently, the proportion is Acme 58%; East Bay 42%. Recent meter readings have been questionable, and I am reviewing the data for accuracy.

### **Legal Counsel Retainer Agreement**

The board approved a new 3-year contract with Olson, Bzdok, and Howard. The new hourly rate is \$165. This contract expires **June 2021**. The Board approved a renewal pending review of financial terms.

### **SCADA Integration Services Contract**

The BPW approved a contract with Topline in March 2017. The contract was for two years with up to two 1-year renewals. Staff missed the 2-year deadline last year and almost missed it this year. The BPW approved the renewals in March. This contract would expire **March 9, 2021**.

The Finance Committee reviewed a request by staff to extend this contract an additional 2-3 years with options for renewal. The Board approved a renewal pending review of financial terms.

### **Monthly Budget Report**

The monthly budget reports have been submitted to the board for approval. No major issues were identified in budget review. All budgets are within approved parameters.

### **FINANCE COMMITTEE**

The Finance Committee meeting met on April 6, 2022, and discussed the following:

1. Summary of Prepaid Claims
2. Memo Re: Water Main Leak on Silver Lk Rd

John added department update to the agenda. There were no objections to the prepaid claims and John informed the committee of a watermain leak on Silver Lake Rd.

John discussed ongoing grievances from several employees that are at the County level, now. The budgets were submitted to the County (without payroll).

## GOALS and OBJECTIVES

Staff will continue to monitor these items and include additional as the need arises. Staff has added ordinance and rate reviews as priority tasks. Also, management reviews is included as a priority.

Staff submitted position description information to the County for use in its position/wage study currently being conducted. Staff will keep the board updated.

I	"Top 10" List	Status
1 SCADA Upgrades (Shop)	X Complete	
2 DPW Job Classifications	X Ongoing	
3 "Green Book"	X at Twp Level: see Item 6	
4 Asset Management		
System Mapping	X Complete	
Phase I	X Complete	
Phase II	X Ongoing	
Phase III	X Complete; awaiting pymnt	
CGAP Award	X pending Mapping	
CMMS	X Complete	
Valve/Hydrant Maintenance Program(s)	X 90% Complete	
Motor Replacements	X 90% Complete	
SCADA Inventory & CIP	X Ongoing; 3 onsite gens	
Standby Power Assessment		
5 Cross Connection Control Program	X Complete	
Compliance with DEQ Regs	X Complete	
BPW/FINANCE	X Complete	
TWP	X Complete	
Enhance DPW participation	X Ongoing	
6 Review and Update Water/Sewer Ordinance(s)	X Ongoing	
RFP for Legal Services dated 12/13/18	X Complete	
Proposals due March 8, 2019	X Complete	
7 Annual Rate Reviews/Updates by Resolution	X RFP 12/5; UFS	
8 Management Reviews	X Completed for Director	
II	Master Sewer Agreement (MSA)	Status
1 Capacity Lease - Expired 12/7/2014	X Complete	
2 Capacity Sharing Agreement	X Complete	
3 Amend MSA	X Complete - 2016	
III	WWTP - Membrane Replacement	Status
1 2014 Membrane Project	X Complete	
2 2015 Project - 3 Membranes	X Complete	
3 2016 Project - 1 Membrane	X Complete	
4 2017 Project - 1 Membrane	X Complete	
5 2018 Project - 1 Membrane	X Complete	
6 2019 Project - 1 Membrane	X Complete	
7 2020 Project - 1 Membrane	X Complete	
8 Capital v Maintenance	X December 8, 2016	
9 Bacteria Academia Consultation	X 3rd Report Published	
IV	Water Supply Contracts	Status
1 Master Meter Identification & Testing	X Annual - Complete 5/18	
2 Discussions w/City Re: Dual Meters	X Complete	
3 Rate Discussions	Pending	
4 Amend WSC	Pending	
IV	Septage Treatment Facility (STF)	Status
1 Communications	X Issues resolved: ongoing	
2 Customer Service	X Issues resolved: ongoing	
3 Card Reader Malfunction(s)	X Complete	
4 Status of Hoch Road Property	X Complete	
5 Business Plan Review	X Complete	
6 RFP for Operations	X Complete	
7 STF Improvements	X Complete	
	Tank Inspections/Cleanings	X Complete
	Odor Control	X Complete
	SCADA	X Complete
	Card Reader/Bay Door Opener	X Complete
	5-Year Capital Improvement Plan	X see Project List
	Grit/Debris Removal	X Study Completed

DATE	SPECIAL RATE 0.18 per gallon	SPECIAL RATE 0.08 per gallon	SPECIAL RATE 0.05 per gallon	HOLDING TANK 34-BEF	Special Waste .30 per gallon	Special Waste .30 per gallon	CHERRY BLOSSOM .0589 per gallon	Bay Harbor Source 1 .03 per gallon	Bay Harbor Source 2 .03 per gallon	AMERICAN WASTE .03 per gallon	GREASE 0.12 per gal.		FAILED GREASE As of 7-2-2012 .19 per gallon		New Aug. 17 .09 per gallon	TOTAL GALLONS	TOTAL \$
											As of 2-1-2013	As of 2-1-2013	New as of 2/2015 Frozen Systems	Failed Systems +12-perf			
May 2022																	
5/2/2022	28,790	0.00	0.00	17,170	0.00	0.00	0.00	0.00	0.00	0.00	4,650.45	0.00	50,610.45	\$6,924.29			
5/3/2022	30,570	0.00	0.00	15,950	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46,520.00	\$6,300.10		
5/4/2022	39,890	1,000.00	0.00	5,490	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46,380.00	\$7,534.70		
5/5/2022	30,680	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30,680.00	\$5,522.40		
5/6/2022	35,510	0.00	0.00	20,930.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56,440.00	\$7,438.30		
5/9/2022	38,160	0.00	0.00	5,600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43,760.00	\$7,148.80		
5/10/2022	37,809	0.00	0.00	13,940	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51,749.00	\$7,502.62		
5/11/2022	21,120	1,200.00	0.00	12,260	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34,580.00	\$4,510.60		
5/12/2022	52,340	0.00	0.00	22,930	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75,270.00	\$10,567.70		
5/13/2022	27,710	0	0.00	4,640	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32,350.00	\$5,219.80		
5/14/2022	1,270	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,270.00	\$228.60		
5/16/2022	29,660	0	0.00	10,770	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40,490.00	\$5,877.30		
5/17/2022	39,430	0	0.00	18,820	0.00	0.00	0.00	0.00	0.00	0.00	4,094.29	0.00	62,344.29	\$8,816.33			
5/18/2022	35,640	0	0.00	7,390	0.00	0.00	0.00	0.00	0.00	0.00	7,673.83	0.00	50,703.83	\$8,242.72			
5/19/2022	48,320	0	0.00	8,220	0.00	0.00	0.00	0.00	0.00	0.00	1,603.40	0.00	58,143.40	\$9,413.25			
5/20/2022	28,110	0	0.00	4,870	0.00	0.00	0.00	0.00	0.00	0.00	7,508.17	0.00	40,498.17	\$6,729.65			
5/23/2022	35,660	0	0.00	16,700	0.00	0.00	0.00	0.00	0.00	0.00	2,390.30	0.00	54,750.30	\$7,707.97			
5/24/2022	48,375	1,115	0.00	19,120	0.00	0.00	0.00	0.00	0.00	0.00	1,662.56	0.00	70,272.56	\$10,068.59			
5/25/2022	36,130	0	0.00	9,130	0.00	0.00	0.00	0.00	0.00	0.00	1,360.82	0.00	46,620.82	\$7,218.46			
5/26/2022	32,590	0	0.00	31,600	0.00	0.00	0.00	0.00	0.00	0.00	2,757.14	0.00	66,947.14	\$7,970.07			
5/27/2022	27,020	0	0.00	10,100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37,120.00	\$5,368.60		
5/28/2022	800	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	800.00	\$144.00		
5/29/2022	1,630	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,630.00	\$293.40		
5/30/2022	340	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	340.00	\$61.20		
5/31/2022	34,410	0	0.00	14,220	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48,630.00	\$6,904.80		
														0.00	0.00		
<b>TOTALS</b>	<b>78,763,393</b>	<b>345,606</b>	<b>136,390</b>	<b>43,480,638</b>	<b>6,620</b>	<b>450,485</b>	<b>1,838,345</b>	<b>58,518,905</b>	<b>2,761,500</b>	<b>2,498,879</b>	<b>8,169,568</b>	<b>10,236</b>	<b>0.00</b>	<b>1,048,829.96</b>	<b>\$153,714.22</b>	<b>\$18,066,447.08</b>	

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**SEPTAGE TREATMENT FACILITY COMPARISON OF GALLONS RECEIVED (& THE DOLLARS THOSE GALLONS WILL GENERATE) SUMMARY**

2020 DATE	TOTAL GALLONS	TOTAL \$	2021		2022		TOTAL GALLONS		TOTAL \$	
			DATE	TOTAL GALLONS	DATE	TOTAL GALLONS	TOTAL \$	TOTAL \$	TOTAL \$	TOTAL \$
January	2020	344,484	\$40,465.20	January	2021	420,966	\$56,183.55	January	2022	335,390
February	2020	321,239	\$40,322.58	February	2021	384,818	\$49,563.04	February	2022	309,268
March	2020	474,165	\$68,306.47	March	2021	514,097	\$75,240.37	March	2022	407,486
April	2020	720,882	\$109,132.43	April	2021	962,522	\$146,557.56	April	2022	790,163
May	2020	990,641	\$149,229.28	May	2021	947,917	\$138,072.57	May	2022	1,048,830
		2,851,411	\$407,455.96			3,230,320	\$465,617.09			2,888,703
June	2020	1,140,366	\$160,682.03	June	2021	957,590	\$134,669.16	June	2022	
July	2020	1,188,527	\$161,801.90	July	2021	1,094,532	\$142,417.92	July	2022	
August	2020	1,035,571	\$147,737.28	August correction		1,147,129	\$161,125.87	August	2022	
September	2020	980,448	\$145,636.66	September	2021	1,032,683	\$154,432.17	September	2022	
October	2020	1,081,572	\$159,067.37	October	2021	994,051	\$145,314.06	October	2022	
November	2020	754,580	\$113,791.20	November	2021	765,965	\$116,924.96	November	2022	
December	2020	574,788	\$80,110.80	December	2021	571,727	\$75,776.99	December	2022	
<b>Totals</b>	<b>2020</b>	<b>9,607,263</b>	<b>\$1,376,283.20</b>	<b>Totals</b>	<b>2021</b>	<b>9,793,997</b>	<b>\$1,396,278.22</b>	<b>Totals</b>	<b>2022</b>	<b>2,888,703</b>
				Dec. 2021 compared to Dec. 2020		-3,061	-\$4,333.81	May 2021 compared to May 2022		100,913
						-0.53%	-5.41%			10.65%
				<b>2020 to 2021</b>		<b>186,734</b>	<b>\$19,995.02</b>	<b>2021 compared to 2022</b>		<b>-341,617</b>
				<b>January-December</b>		<b>1.94%</b>	<b>1.45%</b>	<b>YTD</b>		<b>-10.58%</b>
										<b>-15.40%</b>
<b>2019 to 2020</b>	<b>1,344,444</b>	<b>\$209,261.48</b>	<b>16.27%</b>							
<b>January-December</b>		<b>17.93%</b>								

**SEPTAGE TREATMENT FACILITY COMPARISON OF GALLONS RECEIVED & THE DOLLARS THOSE GALLONS WILL GENERATE) SUMMARY TO-DATE  
COMPARING THE SAME MONTH YEAR-TO-YEAR**

DATE	SEPTAGE TANK		New as of 2/20/15		HOLDING TANK		RAY HARBOR		BAY HARBOR		AMERICAN WASTE		GREASE TRAYS		FAILED GREASE			
	.12	FAILED SYSTEMS	.08	SPECIAL RATE	.05	Special As of 2/1-13	.05	Special Waste	.05	CHERRY BLOSSOM As of 6/1/08	.04	New .03	.03	New .03	.03	New .03	.03	
January 2006	72,595.00					136,974.00				21,674.00	0.00		0.00		0.00		\$15,444.54	
January 2007	76,778.00					148,462.00				483,000.00	0.00		0.00		0.00		\$34,411.84	
January 2008	107,084.00					198,013.00				1,351,500.00	0.00		0.00		0.00		\$81,375.32	
January 2009	71,333.00					185,785.00				1,276,500.00	0.00		0.00		0.00		\$58,683.60	
January 2010	59,901.00					134,794.00				2,152,000.00	now combined		171,700.00		26,649.00		\$2,545,044.00	
January 2011	85,638.00					116,512.00				0.00	0.00		0.00		41,609.00		\$243,760.00	
January 2012	163,211.00					107,453.00				0.00	0.00		0.00		48,114.00		\$39,076.00	
January 2013	238,307.00					158,610.00				0.00	0.00		0.00		52,594.00		\$49,511.00	
January 2014	91,071.00					120,328.00				0.00	0.00		0.00		39,018.00		\$26,417.00	
January 2015	150,240.00					115,490.00				0.00	0.00		0.00		30,653.00		\$27,388.87	
January 2016	79,820.00					113,740.00				0.00	0.00		0.00		20,071.92		\$22,061.92	
January 2017	113,900.00					149,964.00				0.00	0.00		0.00		45,508.05		\$29,358.05	
January 2017	-113,900.00					-119,956.40				0.00	0.00		0.00		-45,508.05		-279,358.05	
January 2017	113,900.00					0.00				0.00	0.00		0.00		45,508.05		\$35,358.05	
January 2018	127,550.00					119,950.00				0.00	0.00		0.00		46,508.05		280,358.05	
January 2019	136,880.00					146,170.00				0.00	0.00		0.00		41,424.97		7,732.73	
January 2020	139,950.00					92,750.00				0.00	0.00		0.00		22,001.01		0.00	
January 2021	235,112.00					168,480.00				0.00	0.00		0.00		34,853.71		\$44,483.71	
January 2022	134,445.00					149,180.00				0.00	0.00		0.00		28,513.61		\$40,465.61	
						163,180.00				0.00	0.00		0.00		0.00		\$56,193.55	
															335,389.94		\$39,365.04	
																	-29,93%	
February 2006	42,000.00					129,575.00				106,831.00	0.00		0.00		0.00		\$16,515.35	
February 2007	71,334.00					176,896.00				644,000.00	0.00		0.00		0.00		\$89,220.00	
February 2008	62,710.00					214,167.00				0.00	1,184,500.00	0.00		0.00		1,492,358.00		\$41,395.92
February 2009	92,671.00					179,472.00				0.00	1,127,000.00	0.00		0.00		39,344.00		\$67,199.60
February 2010	72,164.00					173,870.00				0.00	1,572,041.00	0.00		0.00		56,830.68		1,438,487.00
February 2011	124,396.00					185,946.00				0.00	0.00		0.00		43,358.00		2,024,077.00	
February 2012	139,812.00					116,260.00				0.00	0.00		0.00		0.00		353,700.00	
															299,562.00		\$27,568.32	
																	-61,339%	
																299,562.00		\$26,644.24
																	-3,35%	
February 2013	83,953.00					125,457.00				0.00	0.00		0.00		0.00		245,053.00	
February 2014	95,981.00					99,618.00				0.00	0.00		0.00		0.00		35,643.00	
February 2015	126,670.00					4,620				100,120	0		0		0		231,158.00	
February 2016	143,130.00					1,820.00				0.00	148,500.00		0.00		0.00		265,399.50	
February 2017	136,464.00					0.00				0.00	124,660.00		0.00		0.00		40,439.98	
February 2017	-136,459.00					0.00				0.00	-124,660.00		0.00		0.00		-37,476.42	
February 2017	136,459.00					0.00				0.00	124,660.00		0.00		0.00		38,096.42	
February 2018	135,830.00					1,260.00				0.00	160,730.00		0.00		0.00		39,533.72	
February 2019	125,573.00					2,240.00				0.00	143,380.00		0.00		0.00		30,726.60	
February 2020	149,532.00					1,200.00				0.00	136,325.00		0.00		0.00		36,962.82	
February 2021	201,050.00					2,610.00				0.00	2,440.00		0.00		0.00		30,322.58	
February 2022	142,220.00					0.00				0.00	134,560.00		0.00		0.00		34,818.12	
February 2022	-442,207.00					0.00				0.00	-334,560.00		0.00		0.00		32,668.39	
February 2022	141,530.00					0.00				0.00	132,280.00		0.00		0.00		30,098.39	
															30,098.39		\$37,904.48	
March 2006	135,416.00					185,644.00				0.00	365,761.00		0.00		0.00		686,821.00	
March 2007	125,305.00					167,579.00				0.00	851,000.00		0.00		0.00		\$45,219.00	
March 2008	85,056.00					224,448.00				0.00	1,207,500.00		0.00		0.00		\$55,778.88	
March 2009	101,574.00					210,675.00				0.00	1,667,000.00		0.00		0.00		1,566,861.00	
March 2010	245,518.00					184,195.00				0.00	357,500.00		0.00		0.00		1,024,988.00	
March 2011	119,682.00					65,221.00				0.00	0.00		0.00		0.00		220,510.00	
March 2012	265,197.00					129,901.00				0.00	0.00		0.00		0.00		459,451.00	
March 2013	139,964.00					4,133.00				0.00	128,089.00		0.00		0.00		308,762.00	
March 2014	108,082.00					1,307.00				0.00	119,317.00		0.00		0.00		275,015.00	
March 2015	276,600.00					68,520.00				0.00	141,050.00		0.00		0.00		607,526.92	
March 2016	217,180.00					0.00				0.00	120,430.00		0.00		0.00		391,377.92	
March 2017	202,225.00					0.00				0.00	100,930.00		0.00		0.00		55,900.00	
March 2018	173,570.00					1,130.00				0.00	3,410.00		0.00		0.00		21,243.52	
March 2019	162,560.00					2,720.00				0.00	132,010.00		0.00		0.00		43,747.52	
March 2020	288,700.00					31,220.00				0.00	110,450.00		0.00		0.00		47,166.13	
March 2021	341,580.00					8,570.00				0.00	127,880.00		0.00		0.00		44,807.20	
March 2022	264,643.00					3,360.00				0.00	3,940.00		0.00		0.00		40,747.03	
March 2022	-209,643.00					-3,360.00				0.00	-3,940.00		0.00		0.00		-53,234.42	
March 2022	209,563.00					3,360.00				0.00	148,445.00		0.00		0.00		-407,443.03	
March 2022											0.00	148,445.00		0.00		0.00		-29,227.00

**SEPTAGE TREATMENT FACILITY COMPARISON OF GALLONS RECEIVED (& THE DOLLARS THOSE GALLONS WILL GENERATE) SUMMARY TO-DATE  
COMPARING THE SAME MONTH YEAR-TO-YEAR**

DATE	SEPTEAGE TANK 12	FAILED SYSTEMS .08	SPECIAL RATE per gallon	New as of 2/20/15 Frozen Systems	HOLDING TANK .04	Special Waste per gallon	CHERRY BLOSSOM .0569 per gallon	BAY HARBOR As of 6/1/08 .03 per gallon	BAY HARBOR New 07/2009 .03 per gallon	AMERICAN WASTE New 10/1/09 .03 per gallon	GREASE TRAPS New As of 7/2/12 .19 per gallon	FAILED GREASE TRAPS New- Aug. 2017 .09 per gallon	TOTAL GALLONS	TOTAL \$	Percent of dollars Increase/ Decrease from Prev. YR same month	
				As of 2-1-13 0 per gallon	As of 2-1-13 .05 per gallon			Misc. per gallon	Misc. per gallon	Misc. per gallon	Misc. per gallon	Misc. per gallon	Misc. per gallon	Misc. per gallon	Misc. per gallon	Misc. per gallon
April	2006	274,278.00		196,668.00	256,987.00		295,345.00	0.00	0.00	0.00	0.00	0.00	766,291.00	\$58,175.90		
April	2007	266,891.00		272,886.00	1,169,500.00		0.00	1,161,500.00	0.00	0.00	0.00	0.00	1,675,378.00	\$87,565.40	50.52%	
April	2008	441,318.00		225,704.00	0.00		0.00	1,886,000.00	0.00	0.00	0.00	0.00	2,448,245.00	\$136,738.52	56.22%	
April	2009	360,316.00		224,450.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	2,502,835.00	\$112,543.88	-35.41%	
April	2010	439,273.00		176,666.00	157,375.00		0.00	0.00	0.00	0.00	0.00	0.00	896,376.00	\$72,689.12	-16.90%	
April	2011	407,411.00		1,800.00	198,780.00		0.00	0.00	0.00	0.00	0.00	0.00	621,163.00	\$60,462.28	-2.64%	
April	2012	362,532.00		1,477.50	142,177.00		0.00	0.00	0.00	0.00	0.00	0.00	622,177.00	\$77,946.88	25.72%	
April	2013	335,784.00		3,235.00	137,480.00	0	15,211.58	0.00	0.00	0.00	0.00	0.00	451,493.00	\$62,866.90	-19.36%	
April	2014	264,904.00		1,440.00	41,570.00	0	203,834.00	0.00	0.00	0.00	0.00	0.00	651,608.71	\$64,343.65	50.08%	
April	2015	423,660.00		3,465.00	3,439.00	0.00	204,830.00	0.00	0.00	0.00	0.00	0.00	658,582.90	\$61,428.75	-658,582.90	
April	2016	204,859.00		3,439.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	49,472.90	\$84,448.75	-682,777.75	
April	2016	403,400.00		3,430.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	744,210.00	\$109,061.30	19.30%	
April	2017	506,390.00		5,370.00	0.00		190,600.00	0.00	0.00	0.00	0.00	0.00	372,894.81	\$49,089.21	-55.01%	
April	2018	200,190.00		1,690.00	0.00		139,950.00	0.00	0.00	0.00	0.00	0.00	598,402.55	\$90,204.10	83.83%	
April	2019	431,800.00		2,600.00	0.00		134,917.00	0.00	0.00	0.00	0.00	0.00	720,882.47	\$109,132.43	34.29%	
April	2020	549,884.00		7,320.00	0.00		154,030.00	0.00	0.00	0.00	0.00	0.00	962,552.00	\$146,557.56	-25.15%	
April	2021	698,710.00		3,570.00	0.00		206,990.00	0.00	0.00	0.00	0.00	0.00	790,162.50	\$109,699.58		
April	2022	482,450.00		2,640.00	0.00		252,260.00	0.00	0.00	0.00	0.00	0.00	43,907.94	0.00		
May	2005	107,695.00			86,120.00		0.00	0.00	0.00	0.00	0.00	0.00	193,815.00	\$16,368.20		
May	2006	301,272.00		241,955.00	264,576.00		0.00	0.00	0.00	0.00	0.00	0.00	807,703.00	\$61,410.37	275,187%	
May	2007	373,965.00		250,348.00	0.00		1,032,500.00	0.00	0.00	0.00	0.00	0.00	1,716,813.00	\$98,589.72	60.54%	
May	2008	510,696.00		233,574.00	0.00		1,667,500.00	0.00	0.00	0.00	0.00	0.00	2,464,586.00	\$143,550.04	45.71%	
May	2009	502,658.00		303,091.00	0.00		2,036,500.00	0.00	0.00	0.00	0.00	0.00	2,894,199.00	\$139,861.60	-6.44%	
May	2010	461,764.00		269,272.00	0.00		88,000.00	0.00	0.00	0.00	0.00	0.00	207,000.00	\$77,765.52	-44.25%	
May	2011	594,323.00		171,267.00	0.00		224,668.00	0.00	0.00	0.00	0.00	0.00	70,324.00	\$923,914.00	\$91,791.52	17.72%
May	2012	581,929.00		1,250.00	0.00		3,500.00	0.00	0.00	0.00	0.00	0.00	654,684.00	\$84,866.24	-85%	
May	2013	725,211.00		5,327.00	0.00		29,702.00	0.00	0.00	0.00	0.00	0.00	1,020,576.00	\$154,907.36	83.14%	
May	2014	668,902.00		1,450.00	0.00		190,700.00	0.00	0.00	0.00	0.00	0.00	1,065,953.00	\$152,413.84	-1.61%	
May	2015	668,290.00		599,930.00	1,730.00		200,440.00	0.00	0.00	0.00	0.00	0.00	909,729.98	\$139,510.80	-6.60%	
May	2016	599,930.00		195,180.00	0.00		33,330.00	0.00	0.00	0.00	0.00	0.00	650,772.56	\$127,384.19	-8.56%	
May	2017	617,895.00		2,210.00	0.00		295,630.00	0.00	0.00	0.00	0.00	0.00	838,131.29	\$128,297.70	1.50%	
May	2018	732,285.00		2,100.00	0.00		3,510.00	0.00	0.00	0.00	0.00	0.00	1,079,509.67	\$156,131.49	27.75%	
May	2019	714,735.00		13,830.00	0.00		221,702.00	0.00	0.00	0.00	0.00	0.00	1,043,522.01	\$152,566.83	-2.03%	
May	2020	741,305.00		4,920.00	0.00		250,140.00	0.00	0.00	0.00	0.00	0.00	980,641.00	\$149,229.28	-2.44%	
May	2021	661,300.00		3,450.00	0.00		3,350.00	0.00	0.00	0.00	0.00	0.00	29,616.67	\$138,972.57	-7.48%	
May	2022	741,964.00		3,315.00	0.00		269,850.00	0.00	0.00	0.00	0.00	0.00	33,700.96	\$153,714.42	11.33%	
June	2005	172,844.00			115,197.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	288,041.00	\$25,249.16	
June	2006	318,370.00		272,466.00	0.00		920,000.00	0.00	0.00	0.00	0.00	0.00	590,716.00	\$49,100.64	93.70%	
June	2007	284,299.00		182,679.00	0.00		1,644,500.00	0.00	0.00	0.00	0.00	0.00	1,396,978.00	\$79,223.04	61.76%	
June	2008	400,846.00		345,319.00	0.00		2,070,000.00	0.00	0.00	0.00	0.00	0.00	2,834,079.00	\$118,323.68	26.23%	
June	2009	387,842.00		299,514.00	0.00		33,000.00	0.00	0.00	0.00	0.00	0.00	945,727.00	\$72,516.12	-42.65%	
June	2010	412,073.00		288,109.00	0.00		276,911.00	0.00	0.00	0.00	0.00	0.00	878,955.00	\$91,225.34	25.80%	
June	2011	588,776.00		510,366.00	0.00		270,724.00	0.00	0.00	0.00	0.00	0.00	721,469.00	\$83,321.72	-8.66%	
June	2012	404,057.00		956.00	0.00		38,087.00	0.00	0.00	0.00	0.00	0.00	897,815.00	\$95,032.07	14.05%	
June	2013	565,354.00		4,955.00	0.00		234,922.00	0.00	0.00	0.00	0.00	0.00	1,311,595.00	\$131,595.08	38.48%	
June	2014	515,510.00		1,600.00	0.00		10,779.13	0.00	0.00	0.00	0.00	0.00	875,780.00	\$121,972.56	-7.31%	
June	2015	678,400.00		1,000.00	0.00		295,950.00	0.00	0.00	0.00	0.00	0.00	1,060,913.96	\$153,356.65	25.77%	
June	2016	582,605.00		1,200.00	0.00		303,470.00	0.00	0.00	0.00	0.00	0.00	947,793.59	\$132,182.13	-13.81%	
June	2017	583,060.00		7,550.00	0.00		262,100.00	0.00	0.00	0.00	0.00	0.00	925,244.51	\$132,424.53	0.18%	
June	2018	582,650.00		1,880.00	0.00		294,060.00	0.00	0.00	0.00	0.00	0.00	934,037.80	\$130,234.78	-1.65%	
June	2019	773,850.00		2,820.00	0.00		342,420.00	0.00	0.00	0.00	0.00	0.00	21,275.97	1,140,365.97	23.38%	
June	2020	609,350.00		8,500.00	0.00		287,460.00	0.00	0.00	0.00	0.00	0.00	957,589.77	\$134,689.16	-10.00%	
June	2021												0.00	0.00		
June	2022												0.00	0.00		

**SEPTAGE TREATMENT FACILITY COMPARISON OF GALLONS RECEIVED (& THE DOLLARS THOSE GALLONS WILL GENERATE) SUMMARY TO-DATE  
COMPARING THE SAME MONTH YEAR-TO-YEAR**

DATE	SEPTAGE TANK As of 2-1-13 0 per gallon	FAILED SYSTEMS .08	HOLDING TANK .04	CHERRY Special Waste Misc. per gallon			BAY HARBOR At 6/1/08 .0689 per gallon			AMERICAN WASTE Misc. per gallon			GREASE TRAPS per gallon			FAILED GREASE NEW Aug. 2017 .09 per gallon			Percent of dollars Increased/ Decrease from Prev. YR same month	
				New 2015	Frozen Systems .05	As of 2-1-13 SPECIAL RATE	New 06/2009	.03	.03	New 06/1/09	.03	.03	New 7/2/12	.19	.19	Total GALLONS	Total \$	Total \$		
July 2005	291,188.00		320,081.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$47,745.80	
July 2006	257,433.00		351,104.00				0.00	782,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$68,537.00	
July 2007	309,314.00		331,752.00				0.00	1,690,500.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$81,667.76	
July 2008	428,536.00		439,094.00				0.00	2,024,000.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,423,066.00	
July 2009	358,556.00		429,706.00				0.00	125,500.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,616,332.00	
July 2010	385,968.00		400,118.00				0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,989,689.00
July 2011	528,719.00		311,192.00				0.00	66,000.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,921,941.20
July 2012	524,616.00		355,168.00				0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,054,891.00
July 2013	514,515.00		362,080.00				0.00	5,461.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$7,902.48
July 2014	589,809.00		341,030.00				0.00	4,478.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$11,267.32
July 2015	520,940.00		5,300.00				0.00	389,920.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,989,689.00
July 2016	568,500.00		0.00				0.00	294,110.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,054,891.00
July 2017	578,940.00		1,890.00				0.00	3,540.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$12,721.30
July 2018	561,770.00		3,450.00				0.00	322,920.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,054,891.00
July 2019	612,790.00		1,440.00				0.00	408,410.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,054,891.00
July 2020	729,750.00		850.00				0.00	2,000.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,054,891.00
July 2021	612,969.00		11,240.00				0.00	415,550.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,054,891.00
July 2022																			0.00	\$1,054,891.00
August 2005	350,349.00						339,969.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$55,640.61
August 2006	265,024.00						331,243.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$69,746.45
August 2007	282,650.00						315,784.00		0.00	736,000.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,356,040.00
August 2008	339,533.00						330,405.00		0.00	1,667,500.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,393,976.00
August 2009	371,555.00						372,077.00		0.00	2,468,500.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$3,558,155.00
August 2010	488,854.00						298,878.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,058,988.00
August 2011	554,210.00						268,878.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$901,637.00
August 2012	516,274.00						301,403.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$890,173.00
August 2013	529,066.00		3,204.00				262,412.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$866,921.00
August 2014	549,720.00		0.00				278,620.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$887,526.00
August 2015	466,560.00		0.00				269,480.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$802,155.41
August 2016	575,290.00		5,380.00				276,110.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$110,024.13
August 2017	616,400.00		4,790.00				311,130.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$129,273.56
August 2018	543,480.00		0.00				289,560.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$139,342.23
August 2019	599,350.00		1,120.00				285,200.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$187,557.78
August 2020	701,484.00		3,570.00				301,120.00		0.00	1,319.40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$147,194.06
August 2021	701,484.00		-3,570.00				297,240.00		0.00	5,199.40		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$147,194.06
August 2022																			0.00	\$147,194.06
September 2005	298,271.00																		0.00	\$55,331.00
September 2006	277,328.00																		0.00	\$53,344.37
September 2007	349,228.00																		0.00	\$1,769,029.52
September 2008	444,167.00																		0.00	\$2,445,473.00
September 2009	392,033.00																		0.00	\$3,251,162.00
September 2010	515,146.00																		0.00	\$4,948,385.00
September 2011	543,060.00																		0.00	\$80,576.76
September 2012	466,088.00		0.00																0.00	\$89,316.56
September 2013	432,392.00		5,043.00																0.00	\$64,249.00
September 2014	561,240.00		2,250.00																0.00	\$86,732.00
September 2015	537,780.00		6,270.00																0.00	\$80,821.00
September 2016	508,575.00		4,740.00																0.00	\$83,082.82
September 2017	548,960.00		0.00																0.00	\$79,040.50
September 2018	499,930.00		1,170.00																0.00	\$115,304.65
September 2019	600,315.00		3,200.00																0.00	\$128,507.07
September 2020	692,259.00		1,700.00																0.00	\$145,447.85
September 2021	751,480.00		5,210.00																0.00	\$154,432.17
September 2022																			0.00	\$10,000.00

**SEPTAGE TREATMENT FACILITY COMPARISON OF GALLONS RECEIVED & THE DOLLARS THOSE GALLONS WILL GENERATE) SUMMARY TO-DATE  
COMPARING THE SAME MONTH YEAR-TO-YEAR**

DATE	SEPTAGE TANK		HOLDING TANK		BAY HARBOR		BAY HARBOR		AMERICAN WASTE		GREASE TRAPS		FAILED GREASE			
	12		FAILED SYSTEMS		Special As of 2-1-13		Special BLOSSOM As of 6/1/08		.04		.03		.03			
	As of 2-1-13 0 per gallon	.08	Special RATE	.05	Misc. per gallon	Special Waste Misc. per gallon	Special Waste Misc. per gallon	BLOSSOM .0589 per gallon	As of 6/1/08 .03 per gallon	10/01/09 .03 per gallon	10/01/09 .03 per gallon	Aug. 2017 .08 per gallon	Aug. 2017 .08 per gallon	TOTAL GALLONS	TOTAL \$	
October 2005	437,527.00			210,356.00				0.00	0.00	0.00	0.00	0.00	0.00	647,923.00	\$60,919.08	
October 2006	352,199.00			178,945.00				0.00	69,000.00	0.00	0.00	0.00	0.00	600,144.00	\$52,181.68	
October 2007	508,524.00			208,746.00				0.00	1,368,500.00	0.00	0.00	0.00	0.00	512,761.28	135.26%	
October 2008	434,124.00			273,988.00				0.00	1,529,324.00	0.00	0.00	0.00	0.00	511,356.20	-7.66%	
October 2009	544,070.00			248,642.00				0.00	2,109,000.00	523,500.00	194,679.00	26,638.00	0.00	516,324.01	44.02%	
October 2010	155,670.00			170,982.00				0.00	189,000.00	0.00	0.00	0.00	0.00	520,909.00	49.02%	
October 2011	594,881.00			222,193.00				0.00	0.00	0.00	0.00	0.00	0.00	806,304.00	\$83,077.92	
October 2012	660,225.00			2,106.00				0.00	0.00	0.00	0.00	0.00	0.00	929,936.00	\$97,374.80	
October 2013	1,783.00			184,458.00				0.00	0.00	0.00	0.00	0.00	0.00	866,823.00	\$132,393.70	
October 2014	682,010.00			212,210.00				0.00	0.00	0.00	0.00	0.00	0.00	947,740.00	\$142,481.14	
October 2015	623,461.00			2,000.00				0.00	127,349.00	0.00	0.00	0.00	0.00	926,004.60	7.62%	
October 2016	580,815.00			132,640.00				0.00	2,100.00	0.00	0.00	0.00	0.00	517,931.10	\$121,391.69	
October 2017	703,075.00			170,810.00				0.00	1,900.00	0.00	0.00	0.00	0.00	976,486.68	\$144,789.08	
October 2018	656,570.00			198,100.00				0.00	3,450.00	0.00	0.00	0.00	0.00	893,425.25	\$134,839.86	
October 2019	2,300.00			201,560.00				0.00	5,350.00	0.00	0.00	0.00	0.00	925,532.62	\$140,674.40	
October 2020	-770,010.00			0.00				0.00	280,300.00	0.00	0.00	0.00	0.00	27,312.46	0.00	
October 2021	770,010.00			0.00				0.00	-280,300.00	0.00	0.00	0.00	0.00	-1,081,572.46	-\$158,517.17	
October 2022	681,930.00			1,600.00				0.00	276,370.00	0.00	0.00	0.00	0.00	1,084,050.04	\$145,314.06	
November 2005	264,761.00							201,059.00	0.00	0.00	0.00	0.00	0.00	0.00	\$39,813.66	
November 2006	250,962.00			155,938.00				0.00	1,033,000.00	0.00	0.00	0.00	0.00	465,820.00	\$39,813.66	
November 2007	387,142.00			172,080.00				0.00	1,299,500.00	0.00	0.00	0.00	0.00	1,439,500.00	\$77,672.96	
November 2008	236,273.00			227,814.00				0.00	1,483,525.00	0.00	0.00	0.00	0.00	1,918,858.00	\$112,535.56	
November 2009	371,485.00			217,908.00				0.00	2,011,500.00	625,000.00	183,600.00	0.00	0.00	1,986,150.00	\$86,563.53	
November 2010	519,597.00			152,262.00				0.00	0.00	0.00	0.00	0.00	0.00	746,129.00	-23.06%	
November 2011	431,716.00			132,292.00				0.00	0.00	0.00	0.00	0.00	0.00	724,377.00	-48.37%	
November 2012	468,654.00			158,956.00				4,514.00	0.00	0.00	0.00	0.00	0.00	636,139.00	\$85,533.32	
November 2013	450,342.00			154,961.00				0.00	0.00	0.00	0.00	0.00	0.00	698,224.00	\$76,598.92	
November 2014	408,130.00			132,640.00				0.00	82,351.00	0.00	0.00	0.00	0.00	642,467.00	25.31%	
November 2015	490,120.00			1,460.00				0.00	151,490.00	0.00	0.00	0.00	0.00	663,585.00	\$90,518.13	
November 2016	526,310.00			1,100.00				0.00	150,080.00	0.00	0.00	0.00	0.00	423,510.04	\$104,582.66	
November 2017	446,660.00			0.00				180,070.00	0.00	0.00	0.00	0.00	0.00	722,041.04	\$11,702.50	
November 2018	434,650.00			3,070.00				182,910.00	0.00	0.00	0.00	0.00	0.00	671,598.07	5,93%	
November 2019	373,430.00			1,340.00				161,870.00	0.00	0.00	0.00	0.00	0.00	559,759.97	-17.97%	
November 2020	561,149.00			2,000.00				159,600.00	0.00	0.00	0.00	0.00	0.00	754,579.50	42.58%	
November 2021	562,760.00			2,760.00				161,980.00	0.00	0.00	0.00	0.00	0.00	765,965.03	116,924.96	
November 2022													0.00	0.00	-100,00%	
December 2005	69,809.00							167,571.00	0.00	0.00	0.00	0.00	0.00	237,380.00	\$15,079.92	
December 2006	94,842.00							163,431.00	0.00	0.00	0.00	0.00	0.00	867,773.00	\$42,288.28	
December 2007	127,753.00							189,443.00	0.00	0.00	0.00	0.00	0.00	1,460,072.00	\$12,645.20	
December 2008	116,140.00							193,317.00	0.00	0.00	0.00	0.00	0.00	584,201.00	\$60,566.02	
December 2009	155,264.00							130,742.00	0.00	0.00	0.00	0.00	0.00	3,423,077.00	\$45,707.17	
December 2010	235,418.00							146,706.00	0.00	0.00	0.00	0.00	0.00	423,123.00	\$39,036.28	
December 2011	381,931.00							161,380.00	0.00	0.00	0.00	0.00	0.00	584,472.00	\$51,519.72	
December 2012	144,542.00							157,094.00	0.00	0.00	0.00	0.00	0.00	3,717.00	\$45,683.63	
December 2013	4,136.00							1,260.00	0.00	0.00	0.00	0.00	0.00	3,713.00	\$5,348.71	
December 2014	248,630.00							131,960.00	0.00	0.00	0.00	0.00	0.00	412,265.48	\$57,457.84	
December 2015	262,380.00							163,190.00	0.00	0.00	0.00	0.00	0.00	508,707.94	\$10,918.11	
December 2016	242,510.00							125,900.00	0.00	0.00	0.00	0.00	0.00	436,735.06	\$62,928.56	
December 2017	195,760.00							139,770.00	0.00	0.00	0.00	0.00	0.00	384,447.98	\$51,519.72	
December 2018	211,210.00							1,430.00	0.00	0.00	0.00	0.00	0.00	393,365.90	\$55,348.71	
December 2019	230,580.00							130,680.00	0.00	0.00	0.00	0.00	0.00	412,265.48	\$57,457.84	
December 2019	230,580.00							-140,680.00	0.00	0.00	0.00	0.00	0.00	412,157.48	\$57,455.34	
December 2019	230,580.00							130,680.00	0.00	0.00	0.00	0.00	0.00	412,265.48	\$57,455.34	
December 2020	346,110.00							0.00	4,661,070.00	0.00	0.00	0.00	0.00	0.00	571,770.00	\$16,962,836.43
December 2021	319,120.00							4,190.00	0.00	0.00	0.00	0.00	0.00	0.00	571,765.59	5,41%
December 2022								208,564.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-100,00%

# Grand Traverse County Board of Public Works

Thursday, May 12, 2022

## Regular Meeting Minutes

### 2022 Officers:

Chair:	Jeff Shaw
Vice-Chair:	Doug White
Secretary:	Rob Lajko

### **CALL TO ORDER**

The Chair called the regular meeting of the Grand Traverse County Board of Public Works to order at 9:01 a.m. at the Garfield Township Hall located at 3848 Veterans Drive, Traverse City, Michigan. The Secretary was present.

### **ROLL CALL**

PRESENT: Darryl Nelson, Beth Friend, Bob Fudge, Rob Lajko, Andy Smits, Rob Manigold, Chuck Korn, and Jeff Shaw.

ABSENT: Doug White and Marty Colburn.

STAFF: John Divozzo and Linda McCleary

Also Present: Mark Huggard; Jacobs, Jennifer Graham; GFA, Art Krueger; City Director of Municipal Utilities, and Joanne Tuck (LIAA Videographer)

### **PUBLIC COMMENT**

None.

### **APPROVAL OF AGENDA**

**MOTION** by CHUCK KORN to approve the agenda; second by Bob Fudge.  
The motion passed unanimously.

### **REPORTS**

#### 1. Jacobs Monthly Operating Report

Jacobs submitted a written report and Mark Huggard was present to discuss it with the board.

The general condition and operating status of the equipment used at the treatment facility and related lift stations, as well as issues of concern; are summarized in the attached TCRWWTP Equipment Status Overview and TC Lift Stations Status Overview Tables or in the TCRWWTP Capital Improvement/Repair Initiatives Table.

#### Compliance

The treatment facility was in full compliance with its discharge permit through the month of March.

#### Industrial Pretreatment

**Michigan Department of Environment, Great Lakes, and Energy (EGLE) PFAS Interim Strategy-Residual Management Plan Modification Updates (EGLE's PFAS Cycle has been provided below)**

As part of EGLE's PFAS Interim Strategy, they issued a letter in April of 2021 that effectively modified the Residual Management Plans (RMP) for all facilities land applying biosolids. The modification required facilities with an RMP to sample and analyze their biosolids for PFAS compounds. When analyzed, Grand Traverse County Septage Treatment Facility's (GTCSTF's) biosolids were found to have elevated levels of per- and polyfluoroalkyl substances (PFAS). Specifically, the level of perfluoro octane sulfonate (PFOS) was measured at 99 µg/kg on April 28, 2021, and

97 µg/kg on August 12, 2021. EGLE's RMP modification requires facilities with biosolids PFOS concentrations between 50 and 150 µg/kg, to investigate of potential sources and ultimately develop a source reduction plan. In March, we completed Phase II of the PFAS Investigation and submitted the related report (Non-IPP PFAS Interim Report) to EGLE via Michigan Waters. Beacon Recycling, Grand Traverse Container, Orchard Lake Machining/Bolt Black Oxide, and RJG Inc.; were identified as facilities producing waste containing concentrations of PFAS compounds more than EGLE's standards. Prior to the investigation, Beacon Recycling disposed of their holding tank waste at the GTCSTF. As a result of the elevated concentrations of PFOS found their holding tank waste, the Control Authority issued Beacon Recycling a Cease-and-Desist Order prohibiting them from hauling their waste to the GTCSTF for disposal. We will next work on the development of the PFAS Mitigation and Reduction Strategy (Strategies).

We submitted the Federal Annual IPP report to the State via Michigan Waters.

Munson Medical Center was issued a Notice of Violation (NOV) because of exceeding their effluent limit for zinc and not reporting it within 24 hours, and a record keeping deficiency related to their sampling and analysis of pH. Subsequent sampling showed that the facility was back in compliance.

Sara Lee was issued a NOV because of exceeding their effluent limit for zinc. Since, they have resampled twice. The first result showed they were back in compliance. The second result is still pending.

The quarterly zero-process discharge certification statements were received from Great Lakes Stainless and AlcoTech. The certification statements, reconfirm that these facilities are not discharging process water to the sewer.

SMI Aerospace (Skilled Manufacturing) has fully decommissioned their passivation unit and the waste from the passivate tank has been hauled off-site and disposed of appropriately. The use of the passivation unit was going to require the facility to be permitted as a Categorical Industrial User. With the unit being decommissioned, permitting will no longer be required.

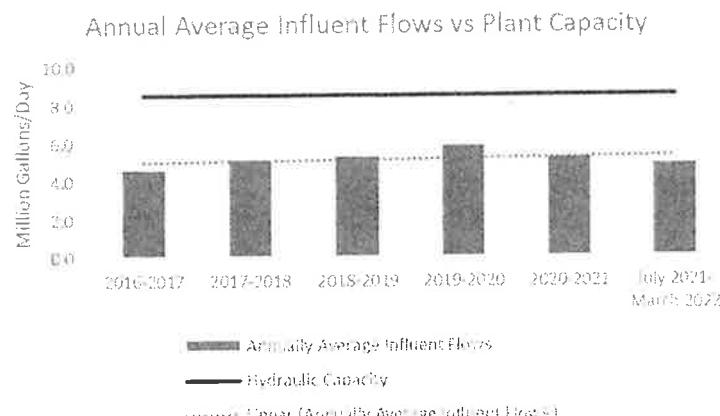
The Control Authority issued a special waste permit to Tabone Vineyards allowing them to discharge waste at the Grand Traverse County Septage Treatment Facility.

#### Capacity

Wastewater Treatment Facilities are designed with a certain hydraulic (flow) and organic (Biochemical Oxygen Demand, BOD) loading capacity. The monthly average hydraulic (flow) capacity of the TCRWWTP is 8.5 million gallons per day (mgd). The organic loading of pollutants is the measure of the presence of BOD in the waste stream entering the treatment facility in pounds per day (lbs./day) and represents the strength of the wastewater. The BOD loading capacity for the TCRWWTP is 20,200 lbs./day. The Michigan Department of Environment, Great Lakes, and Energy (EGLE) requires that when a facility is within 80 percent of its design capacity, a plan be devised to either add capacity to a facility or reduce loadings. The graphs below compare actual influent flows and loadings with plant capacity.

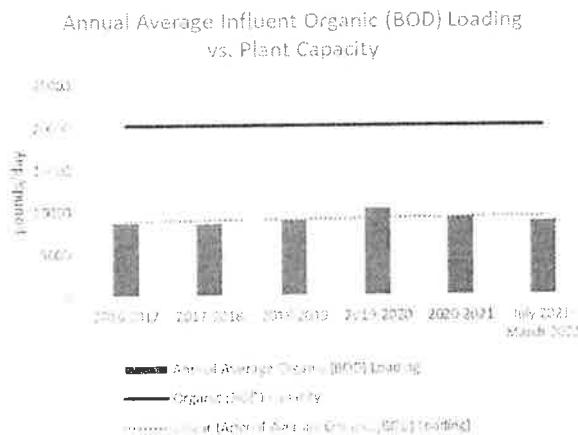
**Note: BOD loadings and influent flows may fluctuate from day to day, because of the dynamic nature of wastewater characteristics.**

#### Influent Flow vs. Plant Capacity



The maximum annual average influent flow for the previous 5-years occurred in 2019-2020 and amounted to 69.4% of the plant's hydraulic capacity. To date, 2021-2022 annual average influent flows are trending lower than previous years, accounting for approximately 57.6% of the plant's hydraulic capacity. The maximum average flow for March was 5.031 MGD, which is 59.2% of the plant's capacity. The monthly average influent flow was 4.224 MGD, which is 49.7% of the plant's capacity.

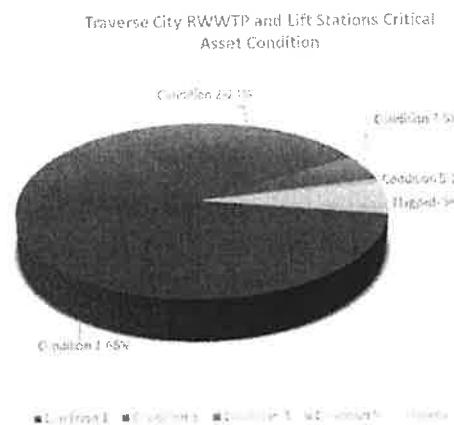
### **Biochemical Oxygen Demand (BOD) Loadings vs Plant Capacity**



The trend for annual average BOD loadings mirrors the flow trend because flows are used in the calculation of BOD loadings, and BOD loadings are directly related to flows. Thus, an increase in flow will increase loadings. The maximum annual average BOD loading for the previous 5-years occurred in 2019-2020 and amounted to 51.3% of the plant's loading capacity. To date, 2021-2022 annual average influent BOD loadings are trending lower than previous years, accounting for approximately 43.7% of the plant's loading capacity. The maximum BOD loading for March was 9,044 lbs./day, which is 44.8% of the plant's capacity. The monthly average BOD loading was 7,851 lbs./day, which is 38.9% of the plant's capacity.

### **Operations and Maintenance**

#### **General**



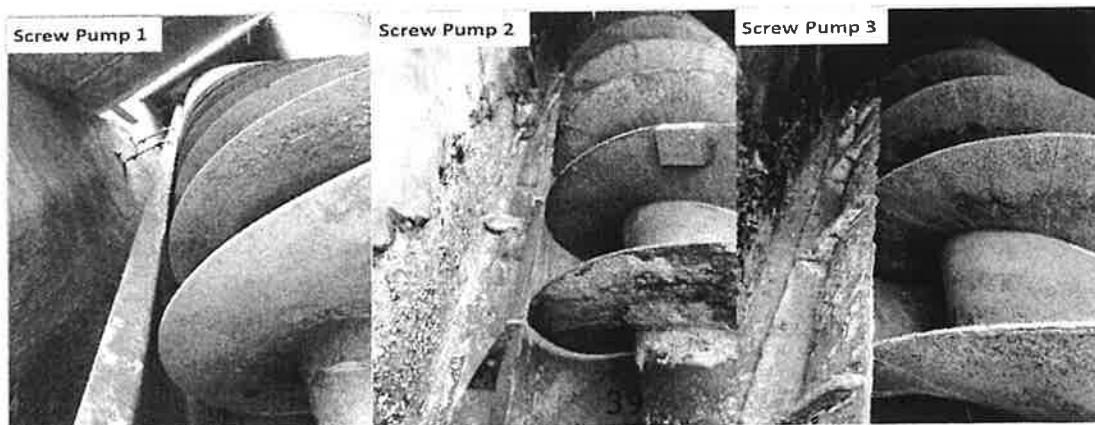
In 2016, as part of our general scope of work, Jacobs completed a comprehensive condition assessment on over 800 critical assets located at the treatment facility and lift stations. The condition assessment was used to identify and prioritize capital improvement projects. Since 2016, we have completed several capital improvement projects and the condition of the equipment/assets has changed, making it necessary to perform another condition assessment. We began this process in March and will provide a report when it is completed. The overall result of the 2016 Condition Assessment is depicted in the Traverse City RWWTP and Lift Stations Critical Asset Condition pie charts. (Note: Condition 1 is the best score an asset can receive). The results showed that, in 2016, 89 percent of the critical assets at the TCRWWTP and Lift stations were in very good condition. Only 6 percent of the assets require(d) some immediate maintenance or repair, and 5 percent could not be accurately assessed at the time of the assessment.

#### **Pump Stations (lift stations)**

We replaced the generator coolant/engine heater at the Front Street lift station.

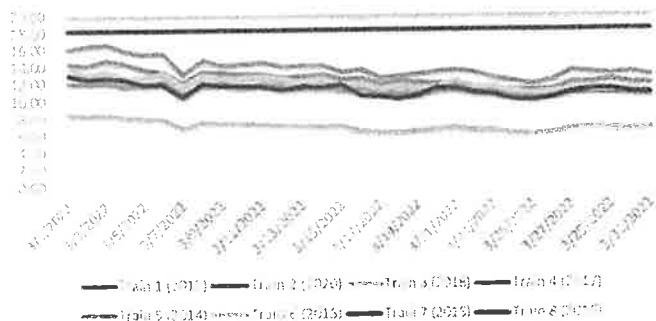
#### **Headworks (Preliminary/Primary Treatment)**

We completed the annual screw pump inspections. Please refer to Appendix A, for a complete report. In short, screw pump 1 was replaced and the concrete structure refurbished in 2020. This screw pump is showing little to no wear. Screw pumps 2 and 3 are in need of replacement. Their replacement has been included in the City's capital improvement plan as project #893 and was included in the Clean Water State Revolving Fund Grant application submitted April 2021.

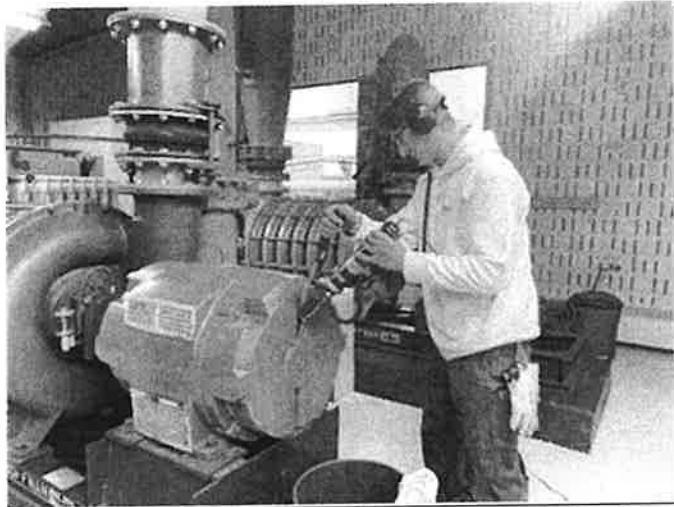


### Secondary Treatment

#### Membrane Train Daily Average Permeability March 2022

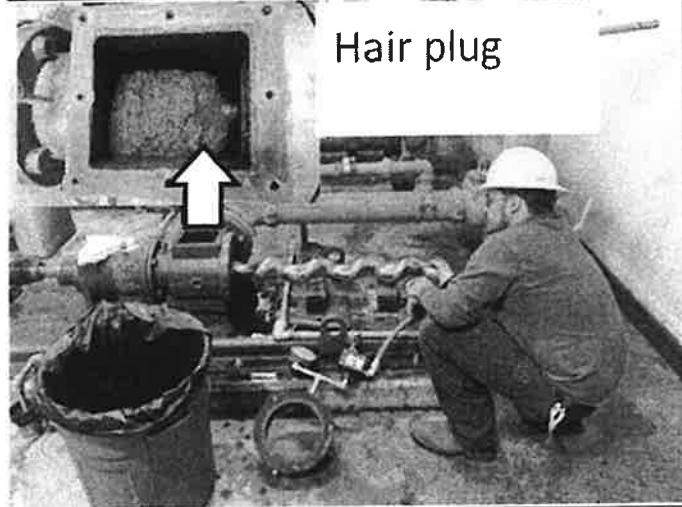


We are able to permeate at a rate that meets current flow demands and produce an effluent that meets, and for many parameters, exceeds EGLE requirements



We performed the ultrasonic greasing of the motors at the facility. Ultrasonic lubrication greatly reduces the risk of improperly lubricating equipment which is one of the leading causes of premature equipment failure. The ultrasonic technology being used in the photo by Jacobs' mechanic, Kerry Gensler, allows him to carefully monitor the frequency of the bearing being lubricated and add grease accordingly to achieve the desired frequency.

### Solids Handling



We rebuilt one of the transfer pumps for digester 5. The photo to the left is illustrating a hair plug that has wrapped around the shaft of the pump. Hair and other debris buildup in digesters over time, making it necessary to take them out of service for cleaning in order to avoid repeated pump failures and operational issues. The cleaning and condition assessment of digester 5 is included in the capital improvement plan as project #1175, currently scheduled for the 2022-2023 fiscal year.

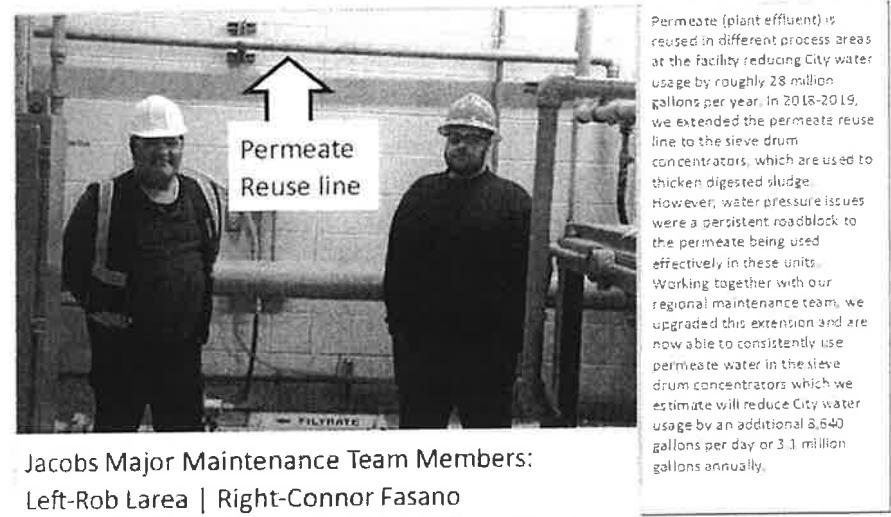
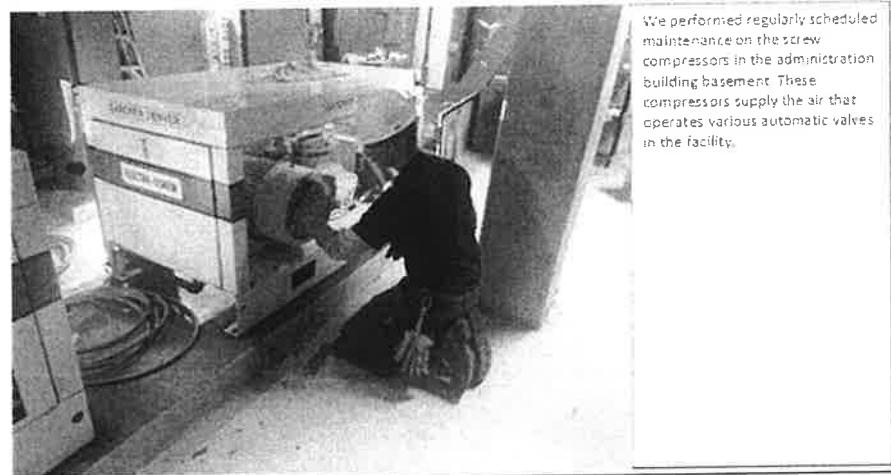
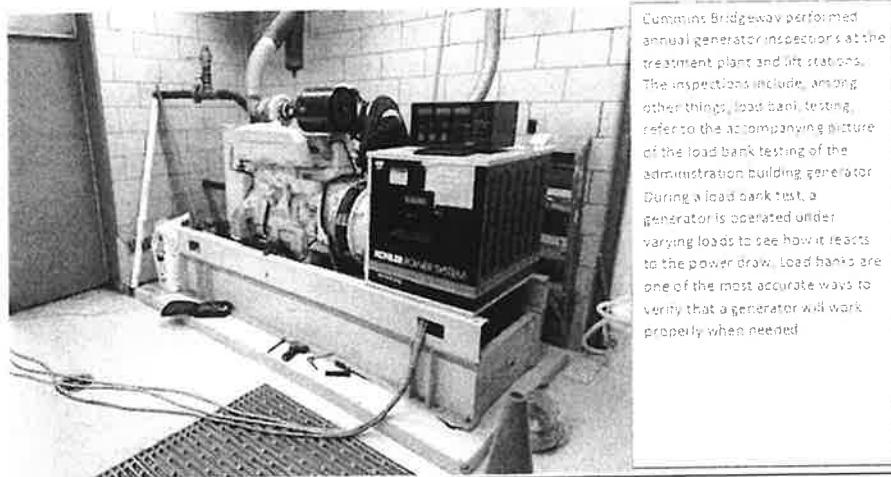
### Biosolids Storage

No updates for this month.

### Disinfection

No updates for this month.

### Ancillary Equipment

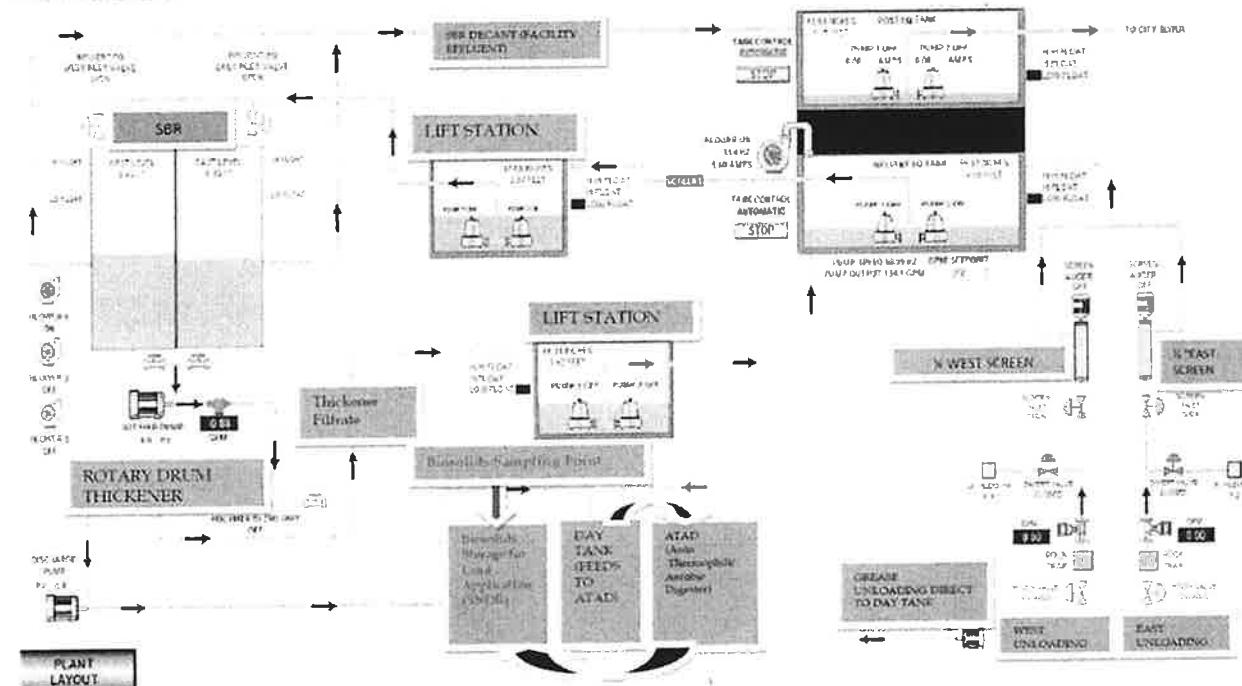


### SCADA Security

No updates for this month

## Grand Traverse County Septage Treatment Facility (GTCSTF)

### Plant Schematic



### Process Status

The general condition and operating status of the facility's equipment, and issues of concern are summarized in the GTCSTF Process Status Overview Table or in the attached GTCSTF Capital Improvement/Repair Initiatives Table.

Grand Traverse County Septage Treatment Facility Process Status Overview					
Related Documents: Report on Engineering Inspection and Condition Assessment -Grand Traverse County Septage Treatment Facility, NTH December 2018   Grand Traverse County Septage Treatment Facility Condition Assessment, Jacobs 2019   Grand Traverse County Septage Treatment Facility-Capacity Evaluation, Jacobs 2019					
Process Area	In Service	Rated Solids Capacity	Used Capacity, per the 2019 Capacity Study	Equipment Status	Capital Improvement/Repairs Scheduled
Sequence Batch Reactor	2003	20,500 gpd (peak month)	32,000 gpd (peak month)	Inservice	Repairs needed to tank's roof and walls per the 2018 structural assessment; in process   Capacity increasing projects have been included in the facility's CIP
Auto thermophilic Aerobic Digester	2003	10,000 lb./day at 5% total solids (TS) with 69% volatile	4,700 lbs./day or 47% of design capacity (peak month)	Inservice	Day tank and ATAD tank-tank and roof repairs needed per the 2018 structural assessment are scheduled in the CIP
Storage Nitrification/Denitrification Tank	2003	150 days of Storage Recommended	150 days of Storage	Inservice	Capacity increasing projects will be included in the CIP

### Compliance

As required by the facility's state approved operations plan; holding tank, grease, septage, and preapproved special waste generated within a 25 miles radius of the facility, was able to be accepted 24 hours a day, seven days a week throughout the month of March.



#### Treatment Facility Operations and Maintenance

The facility is operating well.

We completed the annual predictive maintenance on critical equipment motors this month.

We completed the annual and semi-annual preventive maintenance tasks on the ATAD pumps.

Windemuller replaced the SCADA computer under warranty. They continue to troubleshoot an issue we are experiencing with the SCADA timing out.

The recently repaired equalization basin pump was experiencing operational issues that we determined were the result of a motor failure. We have shipped the pump back to Detroit Pump for evaluation, and repair or replacement.

#### Unloading Bays

The automatic opener for the southwest garage door failed. We facilitated its replacement with the automatic opener from the dewatering building's garage door, which is used infrequently. A chain operated opener was installed for the dewatering building garage door. Given a new chain opener cost approximately \$400 and a new automatic opener would have amounted to roughly \$3,000, this approach to repairing the southwest garage door saved an estimated \$2,600.

We completed the annual and semi-annual preventive maintenance tasks on the garage doors.

The minimum 7-day moving average for offloading rates in March was 148 gallons/minute and the average was 162 gallons/minute. Our minimum target is 125 gallons/minute. The pictures below, depict the general condition of the unloading bays. The bays are cleaned a minimum of twice a day.

#### 2. Engineer of Record

Jennifer Graham updated the board on engineering items.

#### 3. Shop Manager

Kent Nothstine submitted a written report.

#### April Activities

DPW Shop Report

Submitted by Kent Nothstine

Month: April 2022

General Activities:

- DPW Staff completed EGLE required monthly sampling
- DPW Staff completed monthly operating reports for the water systems
- Customer meter reads were performed on April 29th
- Master Meter reads were done in conjunction with the city on April 29th
- 4-13 Shop SCADA computer Lost communication to PLC

Acme Township:

- Nothing of note

East Bay Township:

- Flushed water system to maintain water quality.
- Replaced chemical feed tubing at various stations.

Elmwood Township:

- Nothing of note

Garfield Township:

- Painted the floor in Garfield booster #2
- Flushed and turned valves in anticipation of pump station removal and PRV station installation.
- 4-21-22 Cleaned plugged mainline sewer

- 4-25-22 PRV project on Cedar Run started
- 4-28-22 Grayhawk Booster station and pressure tank was taken offline – feeding water from Cedar Run Tank

**Peninsula Township:**

- Marking Miss Digs for large Center Road resurfacing project

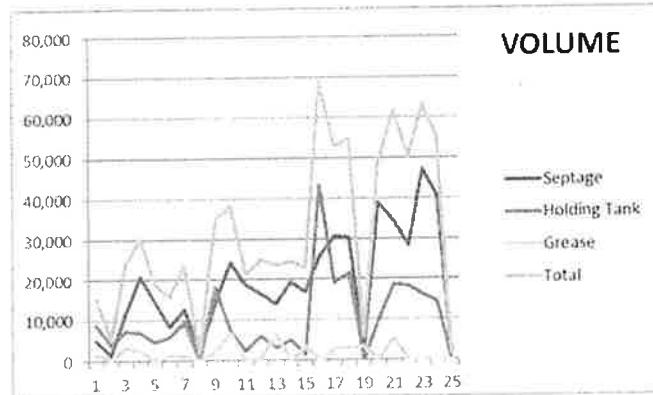
**4. Director**

John Divozzo submitted a written report and was present to discuss it with the board.

SEPTAGE TREATMENT FACILITY BUDGET ANALYSIS

2022

FINANCIAL	CURRENT	Y-T-D	BUDGET		
			INITIAL	ADJ	AMENDED
REVENUES					
FEES & CHARGES	49,303	137,070	1,216,000	-	1,216,000
PERMITS	3,150	14,175	40,000	-	40,000
	<u>52,453</u>	<u>151,245</u>	<u>1,256,000</u>	-	<u>1,256,000</u>
			12.6%		
EXPENDITURES	CURRENT	Y-T-D	INITIAL	ADJ	AMENDED
PERSONNEL	6,135	17,326	70,303	-	70,308
COMMODITIES	242	702	5,621	-	5,621
CONTRACTUAL SERVICES	47,779	142,567	1,133,085	-	1,133,085
OTHER	3,594	45,475	252,670	-	252,670
CAPITAL OUTLAY					
DEBT SERVICE	19,889	19,889	143,000	-	143,000
	<u>77,639</u>	<u>225,959</u>	<u>1,504,584</u>	-	<u>1,604,684</u>
		14.1%			
	CURRENT	Y-T-D			
REVENUES	52,453	151,245			
EXPENDITURES	77,639	225,959			
GAIN/(LOSS)	(25,186)	(74,714)			
April		99,321			



**Volume Data:** TOTAL: 790,163 gallons; AVERAGE: 31,607 gal/day; MAX: 69,100 gallons

- Septage: 482,450 gallons
- Holding: 252,260
- Grease: 43,908

**PFAS/PFOS Testing:** Results came back for biosolids testing at the facility – positive for PFOS at 99 ppb. This means that the facility will need to implement a mitigation plan, which is already drafted and planned on being implemented until results come back at lower amounts or negative. The source of this contaminant is unclear, but EGLE representatives have indicated that it is indicative of landfill leachate, which is not accepted at the facility. Effluent was tested and came back positive and above water quality standards of 12 ng/L. Subsequent testing of the WWTP effluent identified levels well below the water quality standards.

The Facility was tested again on August 12, 2021, with results being very similar to the first round. Jacobs submitted an OOS Proposal for a PFAS Survey that was approved by the board last month. This is for a Phase 1 study to aid in the determination of the source.

Phase 2 Report is complete.

The DPW issued a cease & desist order to Beacon Recycling for quality of waste. This is expected to reduce PFAS/PFOS coming into the facility.

Phase 3 is pending.

#### Facility Update(s)

The tank cleaning/inspection project is complete. A presentation was made to the board on January 10<sup>th</sup>, 2019. The following recommendations were included in the final report:

- MBR: additional monitoring of cracks and installation of a waterproofing system (Xypex) to the exterior walls and installation of waterproofing to the topping slab.
- SNDR: undergo water tightness testing and reassess the condition of the flexible liner.
- Day Tank: replace existing flexible liner immediately (within 2-3 yrs) and repair concrete as needed.
- ATAD: the control joints should be filled with sealant; tank access hatch to roof screws replaced with 316 stainless; and removal and repair of the bubbled areas of the EPDM roof.

The Board approved an amendment to the original project to complete the monitoring and to provide estimates of cost regarding several of the recommendations. The amended scope of work, to include capacity study was completed on April 10<sup>th</sup>, 2019. The report was submitted to the BPW, and a presentation was made at a special meeting on April 24<sup>th</sup>.

The following table describes the recommendations resulting from the study:

Table 8.2 Recommended Facility Improvements and Schedule

Capital Improvements (Immediate Needs)	Capital Cost (2019 Dollars)	Recommended Schedule (See notes below for additional details)
SBR Improvement Project <ul style="list-style-type: none"><li>• Blower Upgrade</li><li>• Diffuser Replacement</li><li>• DO and Blower Speed Control</li><li>• Add (Two) Decanters in SBR</li><li>• Increase Number of Decant Cycles</li><li>• SBR Wall Improvements</li></ul>	\$1,007,000	Spring 2019 - Start design Fall 2019 - Construction
Day Tank Liner Rehabilitation	\$224,000 - \$460,000	Spring 2020 Start design Fall 2020 - Construction
Grit Removal Study	\$12,000 (Study Only)	Summer 2019
Capital Improvements (Dependent Upon Results of SBR Improvement Project)	Capital Cost (2019 Dollars)	Recommended Schedule (See notes below for additional details)
Add Primary Clarifier	\$602,000	Spring 2021 - Start design Fall 2021 - Construction
Add Biosolids Storage Tank	\$143,000	For planning purposes, assume new tank needed in 5-10 years
Add Third SBR	\$1,560,000	Not expected to be needed if primary clarifier provides required additional capacity. Cost is provided as a placeholder if significant increase in flow to the facility is realized in the future

A revised list of recommendations was presented to the Finance Committee on May 1, 2019. The revisions were a direct result of staff requests to re-prioritize the projects for maintenance and capital with special attention to budget constraints in this fiscal year. This list was updated for the 2022 and the 2023 Budget.

#### Blower Upgrades

Jacobs submitted an OOS Agreement for the completion of this project. This was discussed at Finance. The BPW approved this project and agreement at its meeting on September 12, 2019. The BPW approved a budget amendment for this work at the February meeting because the project could not be completed in 2019. The Project is complete; 3 of 3 installed.

- Grit Study

The grit study is complete, and the final report has been submitted to the BPW. Jacob's recommendations are as follows:

- Purchase and installation of a mechanically cleaned grit removal system by the year 2021. A cost estimate for the project is included in the report as Appendix C; \$492,000, plus contingency of about 20%.

Staff supports the project for several reasons, but most notably is the reduction in operating/maintenance costs for the facility that will pay for the system within 8 years. Subsequent operating costs and annual schedule of cleanings

is also reduced.

#### Service Contract – STF Operation and Maintenance

The new contract has been approved and executed – expires on March 31, 2026 and is renewable in four-year terms unless cancelled. Staff and Jacobs have revised the billing procedures for maintenance projects. The previous method included providing a \$10,000 O&M budget and then reconciling at year end for any costs under/over budget. This created the problem of waiting until year end to get an invoice or refund. With our current CIP, the O&M costs will exceed \$10,000 every year. This made it difficult to budget and plan specific projects. Paying for maintenance as it occurs allows us to prioritize projects and ensure funds are available.

The 1<sup>st</sup> Amendment was approved for 2019, which increased the base fee 2.25%.

A revised Service Agreement (2020) was approved by the BPW in November 2019. Jacob's included additional services related to support/emergency assistance for water and sewer operations on an as-needed basis. A scope of work and contractual rates has been established through the Amendment.

The 2<sup>nd</sup> Amendment (2021) was approved by BPW on January 14, 2021. The Amendment further refines what is considered routine O/M and what is not; will eliminate some more utility bills and will include synchronized budgets for easier management and budgeting.

The 3<sup>rd</sup> Amendment (2022) was approved by the BPW on January 13, 2022.

#### **NTH STF Roof Inspection**

NTH completed its inspection of the SBR roof and found maintenance items necessary, but no major issues related to structural integrity. Staff received a final report and the Scope of Work to complete repairs. The initial proposal for oversight on this project was rejected by the Board and staff worked with NTH/Jacobs to revise the scope of work. NTH resubmitted a cost estimate to perform construction oversight and Jacobs provide the RFP Services at no charge. Staff presented the revisions to Finance on May 4<sup>th</sup> and a recommendation to proceed was approved. This proposal includes certified construction oversight and Jacobs to perform general oversight and contract management. Without these items included, there is no guarantee that work is completed per the drawings and scope and cannot be certified to increase capacity at the facility.

#### **DPW**

##### 1. Staff

Kent Nothstine, Water/Sewer Manager began work on Monday, February 28, 2022, and Jodi Auvil, Account Clerk also began work on February 28, 2022, but resigned that same week. We have officially filled both positions in the office and will be back to full staff next week. Staff is submitting personnel changes as part of the budget process and reviewed with Finance on May 4<sup>th</sup>. Recommendations for the board to accept staff's recommendations were approved.

##### 2. Budgets

The 2022 Budget was approved by the Board at our meeting in November. The 2023 Budget process has begun and will most likely be submitted in June.

##### 3. Asset Management Plan(s)

Basic: Staff submitted the basic asset management plan to the DEQ by March 1, 2018.

GIS Base: Phase 1 included compilation of a base map and data collection. Phase 2 included integration of system documentation such as, lead reports and as-builts. GFA presented the results of Phase 1 and 2 to the Board in February 2017.

**Phase 3** is ongoing and requires inventory of all major and minor assets. Inventory of assets is completed through GPS location of the asset and Condition Assessment of the asset to prioritize the asset's criticality for budgeting and rate setting. This may take several years to complete. GFA and Topline have inspected each major asset and we are developing the condition assessment for each.

Work associated with the CGAP Award has been completed and staff has received payment of the final grant award amount is \$113,811. Staff also received the grant close-out letter. Staff recently submitted a Final Follow-up Report. This is included in this report.

4. Master Meters: Cass Road Meter is inoperable; DPW/City agreed to install a temporary meter, but results have been less than ideal. Staff is recommending purchasing a new meter for installation. Quotes will be forthcoming. DPW met with the city and submitted a memo regarding under reported water volumes for Garfield for 2011/2012 – 2017/2018. Staff followed up with an email to include 2019/2020 numbers. Staff met with the city a second time, which resulted in a third meeting due to changes in personnel. Staff prepared a settlement document and is awaiting concurrence from the City prior to submitting to Garfield for final approval.
5. Customer Meters: We are slowly getting back to full time meter change outs; still prioritizing installs to minimize impact to our customers and staff due to COVID-19.
6. Well Systems (Water): Preliminary testing did not reveal any contaminants in the public water supplies; mandatory routine testing is required for well systems in 2021.

- a. East Bay Twp was made aware of groundwater contamination near the Airport and Coast Guard and worked with EGLE, the Health Department, and residents to remedy the situation. All 18 properties have been connected to the East Bay system and the project is complete.
- 7. **Miscellaneous:**
  - a. COVID -19: The County is open without mask mandates or protocols except for the health care industry. Individual policies may be in place.
  - b. Contracts: The County adopted a new policy requiring the Administrator signature on contracts; BOC approval for those greater than \$25,000.
  - c. Surplus Equipment: The DPW is reviewing inventory and submitting requests to designate some items as surplus. The first was a pumping system that has never been used and is taking up valuable space in the Shop. The equipment was sold.
  - d. Consumer Confidence Reports: The annual water quality reports are due July 1.
  - e. Annual Pumpage Reports are due March 31 and have been submitted.
  - f. Lead/Copper Site Plan Updates have been submitted to EGLE.
  - g. Miami Beach: The annual pumpage report has been submitted to EGLE.

#### **Hoch Road**

Hoch Road debt will exist until the bonds are paid off in 2022; sale of this property before this time is highly unlikely. The board approved a policy for the use of this property at our last meeting. Staff has posted the policy online and has installed signage. Issues related to public use of the land are now being handled by the Sheriff's department using existing laws.

#### **Standard Specifications**

The 2017 Edition of the Standard Specifications are approved and posted to the DPW website. Staff has begun work on updating these specs to represent current industry and department practices more accurately. These updates will include discussion on public vs. private infrastructure and DPW review of plans.

#### **Acme/East Bay Township Sewer**

Staff is comfortable with the new flow allocations for the two townships. With Acme sewer bypassing EB#2, the formulas were modified resulting in a slightly different percentage for each township. The previous proportion was East Bay 65%; Acme 35%. Currently, the proportion is Acme 58%; East Bay 42%.

#### **Legal Counsel Retainer Agreement**

The board approved a new 3-year contract with Olson, Bzdok, and Howard. The new hourly rate is \$165. This contract expires June 2021. The Board approved a renewal pending review of financial terms.

#### **SCADA Integration Services Contract**

The BPW approved a contract with Topline in March 2017. The contract was for two years with up to two 1-year renewals. Staff missed the 2-year deadline last year and almost missed it this year. The BPW approved the renewals in March. This contract would expire March 9, 2021.

The Finance Committee reviewed a request by staff to extend this contract an additional 2-3 years with options for renewal. The Board approved a renewal pending review of financial terms.

#### **Monthly Budget Report**

The monthly budget reports have been submitted to the board for approval. No major issues were identified in budget review. All budgets are within approved parameters.

#### **FINANCE COMMITTEE**

The Finance Committee meeting met on April 6, 2022, and discussed the following:

1. Summary of Prepaid Claims
2. STF SBR Maintenance Project
3. Memo Re: Inspections for New Connections
4. Memo Re: CDL Requirements
5. Memo Re DPW Organizational Chart

The Committee had no objections to the claims.

The Committee recommended that the BPW accept Option 1 for the SBR Maintenance Project.

The Committee supported maintaining staff inspections for new connections per the Township Ordinances.

The Committee supported staff's recommendation that the County look at funding CDL training with employee repayment through payroll deductions, if possible.

## GOALS and OBJECTIVES

Staff will continue to monitor these items and include additional as the need arises. Staff has added ordinance and rate reviews as priority tasks. Also, management reviews is included as a priority.

Staff submitted position description information to the County for use in its position/wage study currently being conducted. Staff will keep the board updated.

I	"Top 10" List	Status
1	SCADA Upgrades (Shop)	X Complete
2	DPW Job Classification	Ongoing at Top Level see Item 5
3	"Green Book"	
4	Asset Management	
	System Mapping	
	Phase I	X Complete
	Phase II	X Complete
	Phase III	Ongoing
	CGAP Award	X Complete; awaiting payment
	CMMS	Pending Mapping
	Valve Hydrant Maintenance Program(s)	X Complete
	Water Replacements	90% Complete
	SCADA Inventory & CIP	90% Complete
	Standby Power Assessment	Ongoing; Facilitate pent
5	Cross Connection Control Program	
	Compliance with DEQ Regs	X Complete
	DPW FINANCE	X Complete
	TWP	X Complete
	Enhance DPW participation	Ongoing
6	Review and Update Water/Sewer Ordinance(s)	Ongoing
	RFP for Legal Services dated 12-13-18	X Complete
	Proposals due March 8, 2019	X Complete
7	Annual Rate Reviews/Updates by Resolution	RFP 12-5; UFS
8	Management Review:	X Completed for Director
II	Master Sewer Agreement (MSA)	Status
1	Capacity Lease - Expired 12-31-14	X Complete
2	Capacity Sharing Agreement	X Complete
3	Amend MSA	X Complete - 2016
III	WWTP - Membrane Replacement	Status
1	2014 Membrane Project	X Complete
2	2015 Project + 3 Membranes	X Complete
3	2016 Project + 1 Membrane	X Complete
4	2017 Project + 1 Membrane	X Complete
5	2018 Project + 1 Membrane	X Complete
6	2019 Project + 1 Membrane	X Complete
7	2020 Project + 1 Membrane	X Complete
8	Capital W Maintenance	X December 3, 2014
9	Battista Academia Consultation	3rd Report Published
IV	Water Supply Contract	Status
1	Master Meter Identification & Testing	X Annual - Complete 5/18
2	Discussions w/ City re: Dual Meters	X Complete
3	Rate Discussions	Pending
4	Amend WSC	Pending
IV	Septage Treatment Facility (STF)	Status
1	Communications	X Issues resolved; ongoing
2	Customer Service	X Issues resolved, ongoing
3	Card Reader Malfunction(s)	X Complete
4	State of Koch Road Property	X Complete
5	Business Plan Review	X Complete
6	RFP for Operations	X Complete
7	STF Improvements	
	Tank Inspections/Cleanings	X Complete
	Odor Control	X Complete
	SCADA	X Complete
	Card Reader Bay Door Opener	X Complete
	5-Year Capital Improvement Plan	X *** Project List
	Grub Debris Removal	Study Completed

### 5. Board

- a. Acme Township: Doug White was not present.
- b. East Bay Township: Beth Friend was present and provided an update on East Bay Township; there are five new hotels going in on 31; three of them are long stay hotels by major chains. They have some activity in the industrial area. Three Mile Road will be done next year from South Airport to Hammond Road. They are continuing to work on the trail and will eventually be getting the RFP ready for the 3 Mile trail coming south down into East Bay Township.
- c. Elmwood Township: Jeff Shaw was present and provided an update on Elmwood Township; there was a meeting with the residents of Timberlee. The Timberlee water system has been there since the early '70's. There is a hydrodynamic tank that they bought used and it has been running well above its pressure for the past five decades and EGLE has been sending letters for 20 years so they decided they need to do something about it and to get more storage.

- d. Garfield Township: Chuck Korn was present and provided an update on Garfield Township; there is a lot of development in process.
- e. Peninsula Township: Rob Manigold was present and provided an update on Peninsula Township; all is quiet.
- f. Rural Township(s): Rob Lajko was present and said that on May 24<sup>th</sup> there will be a celebration at the Mayfield Township Park. On June 4<sup>th</sup> is the Adams Fly Festival in the Village of Kingsley.
- g. Traverse City Commission: Marty Colburn was not present, but Art Krueger provided an update on the city activities. The city is going through their budget process, and it has been presented at two City Commission meetings. There will be a public hearing and then it will be implemented by the end of June. They are making progress on the State Revolving Fund but there are a lot of deadlines and work. They are going out to bid on three projects including the river wall upgrade west truckline along the river between Union and Park Streets, lead service line replacements which are not actually lead but galvanized which still must be replaced per the new Lead & Copper rule. This is a multi-year project. Next is the Wayne Hill booster station upgrade that serves a little bit of Garfield Township down into the Incohee Woods area. They will be upsizing pumps, working on controls, and issues to use the lower part of the tank. That project is slated for fall/winter when there is lower demand, however, the costs keep going up. He attended a webinar regarding federal money that might be coming. The Barlow/LaFranier 2-million-gallon tank was down for maintenance, warranty painting touch-up inside and outside and the tank is being refilled now.
- h. County Board of Commissioners: Darryl Nelson was present and provided an update on County issues. Administration, IT and Finance are the ones requiring the budget to be done early. It is a big upgrade from the 1970's AS400 accounting program.  
  
There was discussion on why the County did not choose BS&A software as most counties and municipalities have gone to BS&A. Darryl did not have an answer, but they could refer questions to Dean Bott.
- i. County Drain Commissioner: Andy Smits comments that he has been staying busy.

#### **CONSENT CALENDAR**

The purpose of the Consent Calendar is to expedite business by grouping non-controversial items together to be dealt with by one Board motion without discussion. Any member of the Board, staff or the public may ask that any item on the Consent Calendar be removed and placed elsewhere on the agenda for full discussion. Such requests will be automatically respected. *If any item is not removed from the consent calendar, the following items are approved by a single Board action adopting the consent calendar with a MAJORITY ROLL CALL VOTE.*

#### **APPROVAL OF MEETING MINUTES: March 10, 2022**

##### **ITEMS Approved by Staff**

- 1. DPW Budget Status & Budget Amendments (2022)
- 2. Jacobs Monthly Operations (\$19,447.57)

##### **ITEMS TO BE PAID After Approval by Board**

- 3. City Sewer Invoice for January 2022 (\$296,636.69)
- 4. City Water Invoices (Credit)
- 5. Gourdie-Fraser (\$1,268.00)
- 6. Olson, Bzdok, & Howard (\$290.00)

**MOTION** by ROB MANIGOLD to approve the consent calendar as presented; second by Chuck Korn.

**ROLL CALL VOTE:**

- |             |                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------|
| (8) YES:    | Rob Manigold, Beth Friend, Bob Fudge, Andy Smits, Rob Lajko, Chuck Korn, Darryl Nelson, and Jeff Shaw. |
| (0) NO:     | N/A                                                                                                    |
| (2) Absent: | Doug White and Marty Colburn                                                                           |

The Motion PASSED unanimously (8-0).

**UNFINISHED BUSINESS**

1. SBR Tank Maintenance

John explained to the board that staff reviewed the original proposal, sought third-party assistance, and worked with Jacobs to identify two potential options for the project. No third-party would sign on due to liability issues. The two proposals are similar, except no oversight on the contractor work. Staff feels that the work involves the integrity of the tank (and building), and that oversight is necessary.

Option #1 is \$125,561 and Option #2 is \$95,765. Jacobs has already prepared and published the RFP at no cost.

Staff recommends Option #1. John reminded the board that the option assumes 10-days construction schedule, which will be minimized as much as possible. The vendor will be paid lump sum, which should provide motivation to complete as soon as possible.

**MOTION** by ANDY SMITS to approve option #1 as presented; second by Rob Manigold.

**ROLL CALL VOTE:**

- |             |                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------|
| (8) YES:    | Rob Manigold, Beth Friend, Bob Fudge, Andy Smits, Rob Lajko, Chuck Korn, Darryl Nelson, and Jeff Shaw. |
| (0) NO:     | N/A                                                                                                    |
| (2) Absent: | Doug White and Marty Colburn                                                                           |

The Motion PASSED unanimously (8-0).

**NEW BUSINESS**

1. Memo Re New CDL Requirements

John presented a memo to the board regarding the new CDL requirements that went into effect in February 2022. He indicated that three employees are currently affected by the new requirements, which will require a formal course completion prior to writing the exam and cost nearly \$2,000. He indicated that he felt this would be a burden on the employees, which may be reason for some to leave. He asked the board to support a policy that would pay these costs or reimburse at a minimum.

The board reached consensus to approve payment of the fees.

2. Memo Re Inspections for New Connections

John presented a memo detailing a request by a contractor to allow a third-party to assume DPW inspection responsibilities for new connections. He presented the ordinance language and staff's position on hiring out this work. Staff is against this proposal as the DPW will lose the ability to witness first-hand the actual connection and the administration of new accounts.

The board reached consensus to maintain the status quo and not allow third-party inspections.

3. Memo DPW Organizational Chart

John presented a memo to the board regarding organizational changes he was asking the board to approve.

First, field personnel are experiencing difficulties managing all the daily tasks - Miss Digs - are up tremendously and we have processed 900 already this year. Staff is asking to allow the hiring of permanent maintenance personnel (in lieu of part time seasonal help).

Second, staff tried previously to develop job descriptions and pay scales for each employee, but each time, the County was performing a wage study and things were put off. At the conclusion of the latest wage study, the County elected to go across the board instead of individually, so staff is asking the board to accept the promotion of one employee from Account Clerk to Account Clerk Specialist.

Thirdly, the Office Manager position is in dire need of upgrade. The current description describes a generic office manager and does not include any language regarding the DPW or its multi-faceted operations. Dianne is basically the Deputy of the Department and her pay scale should be commensurate with these duties. Staff is asking her to be elevated to the same rate of pay as the Field manager.

**MOTION** by ROB MAINGOLD to support staff's recommendations; second by Bob Fudge.

All in Favor. The motion passed unanimously.

#### PUBLIC COMMENT

None.

#### NOTICES

1. The next regular BPW Finance Committee Meeting will be held on June 1, 2022, at 1:00 p.m. in the Large Conference Room in the Public Services Building at 2650 LaFranier Rd.
2. The next regular meeting of the Board of Public Works will be held on June 9, 2022, at 9:00 a.m. in the Meeting room at GARFIELD TOWNSHIP HALL, 3848 Veterans Drive.

**MOTION** by BOB FUDGE to adjourn the meeting at 10:23 a.m.; second by Rob Manigold.

All in Favor; the Motion PASSED unanimously.

Date: \_\_\_\_\_

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BPW Chair

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Secretary (Approved as to form and content)

Drafted by: \_\_\_\_\_  
John Divozzo

GRAND TRAVERSE COUNTY  
REVENUE STATUS REPORT AS OF 05/31/2022

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590 SEPTAGE TREATMENT FACILITY

000 NON - DEPARTMENTAL		INITIAL BUDGET	ADJUSTED BUDGET	* * R E V E N U E S * *	UNREALIZED REVENUE	% EXPENDED / REALIZED
		BUDGET ADJUSTMENTS	THIS MONTH	THIS YEAR		
463.00	SEPTIC PERMITS	40000.00	40000.00	4375.00	18550.00	46.38
665.00	INTEREST EARNED	.00	.00	.00	.00	N/A
699.00	TRANSFER IN	.00	.00	.00	.00	N/A
	TOTALS	40000.00	.00	40000.00	4375.00	18550.00
	CURRENT PERCENT	ACCUMULATIVE PERFORMANCE	111 %		21450.00	
	OF REVENUE RECEIVED	46 %				

GRAND TRAVERSE COUNTY  
REVENUE STATUS REPORT AS OF 05/31/2022

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590 SEPTAGE TREATMENT FACILITY

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	* * R E V E N U E S * *	UNREALIZED REVENUE	% EXPENDED / REALIZED
				THIS MONTH	THIS YEAR	
401.00 FUND BALANCE FORWARD	348684.00	36917.00	385601.00	.00	.00	.00
401.15 ENDING FUND BALANCE	.00	.00	.00	.00	.00	N/A
454.00 PENALTY FEES	.00	.00	.00	.00	.00	N/A
463.00 SEPTIC PERMITS	.00	.00	.00	.00	.00	N/A
506.00 FEDERAL GRANT	.00	.00	.00	.00	.00	N/A
582.00 LOCAL GRANTS	.00	.00	.00	.00	.00	N/A
984000.00	984000.00	984000.00	96130.40	188722.27	795277.73	19.18
607.41 SEPTAGE TANKS	129000.00	129000.00	12578.20	35682.45	93317.55	27.66
607.42 HOLDING TANKS	103000.00	103000.00	7036.60	27687.80	75312.20	26.88
607.43 GREASE TRAPS	.00	.00	.00	.00	.00	N/A
607.44 OTHER FEES	.00	.00	.00	.00	.00	N/A
607.45 SPECIAL WASTE	.00	.00	.00	.00	.00	N/A
675.00 CONTRIBUTIONS-PRIVATE SOURCE	.00	.00	.00	.00	.00	N/A
686.00 REIMBURSEMENTS	.00	.00	.00	.00	.00	N/A
699.00 TRANSFER IN	.00	.00	.00	.00	.00	N/A
<b>TOTALS</b>	<b>1564684.00</b>	<b>36917.00</b>	<b>1601601.00</b>	<b>117437.07</b>	<b>254498.21</b>	<b>1347102.79</b>
CURRENT ACCUMULATIVE PERFORMANCE						
PERCENT OF REVENUE RECEIVED	38 %					
	15 %					

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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590 SEPTAGE TREATMENT FACILITY

470 SEPTAGE OPERATIONS

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	E X P E N D I T U R E S THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE / EXPENDED % REALIZED
701.00 DEPARTMENT HEAD	4043.00	*00	4043.00	331.22	1774.03	*00 43.88
701.01 PER DIEM	100.00	*00	100.00	5.58	16.74	*00 16.74
702.00 FULL TIME & REGULAR PART TIME	36807.00	*00	36807.00	2399.30	11604.28	*00 25202.72
702.01 LONGEVITY PAYMENT	420.00	*00	420.00	*00	*00	*00 0.00
702.02 PART TIME TEMPORARY	1715.00	*00	1715.00	1813	109.28	*00 1715.00
704.00 OVERTIME	625.00	*00	625.00	*00	*00	*00 0.00
705.00 PERSONAL LEAVE	1259.00	*00	1259.00	196.50	969.42	*00 1259.00
715.00 FICA	3477.00	*00	3477.00	296.50	2507.18	*00 2507.18
716.02 SHORT & LT DISABILITY	6719.00	*00	6719.00	648.50	3757.59	*00 44.08
716.03 PAYMENT IN LIEU OF INSURANCE	383.00	*00	383.00	27.81	136.43	*00 36.14
717.00 LIFE INSURANCE	477.00	*00	477.00	*00	*00	*00 38.00
718.00 RETIREMENT DC	116.00	*00	116.00	915	44.14	*00 71.86
718.01 RETIREMENT DB	81.00	*00	81.00	323	18.15	*00 62.85
718.05 RETIREMENT - DB UAL	2699.00	*00	2699.00	157.66	706.13	*00 1992.27
719.00 WORKERS COMP INS	11387.00	*00	11387.00	736.79	3516.72	*00 7870.28
720.00 UNEMPLOYMENT COMPENSATION	*00	*00	*00	*00	*00	*00 N/A
PERSONNEL	70308.00	*00	70308.00	4533.87	21859.73	*00 31.09
727.00 OFFICE SUPPLIES	724.00	*00	724.00	56.61	134.46	*00 589.54
729.00 PRINTING AND BINDING	1224.00	43	1267.00	47.66	1219.34	*00 18.57
729.01 PUBLIC RELATIONS & EDUCATION	0.00	*00	0.00	*00	*00	*00 3.76
729.02 COPY MACHINE USE	96.00	*00	96.00	*00	*00	*00 N/A
729.03 POSTAGE	122.00	*00	132.00	3.44	92.56	*00 3.58
730.00 SAFETY EQUIPMENT	866.00	*00	866.00	22.89	41.60	*00 90.40
745.00 UNIFORMS & ACCESSORIES	496.00	*00	496.00	22.48	56.15	*00 809.85
745.01 CLOTHING ALLOWANCE	27.00	*00	27.00	2.65	115.25	*00 23.24
745.02 SMALL TOOLS & SUPPLIES	584.00	*00	584.00	9.76	40.84	*00 380.72
748.00 GRS, OIL & GREASE	1432.00	*00	1432.00	131.21	505.47	*00 524.15
775.00 JANITORIAL SUPPLIES	40.00	*00	40.00	.00	*00	*00 35.26
COMMODITIES	5621.00	43.00	5664.00	245.60	947.55	*00 4716.45
808.00 ATTORNEY FEES	1561.00	.00	1561.00	15.37	18.45	*00 1542.55
810.00 SUBSCRIPTIONS	28.00	.00	28.00	9.27	9.27	*00 33.11
810.01 DUES	2570.00	.00	2570.00	4.50	2127.94	*00 442.80
812.00 IT CHARGES	1856.00	.00	1856.00	217.66	846.74	*00 825.80
812.01 INTERNET ACCESS	1397.00	.00	1397.00	115.81	568.53	*00 45.62
818.00 CONTRACT SERVICES	1660.00	.00	1660.00	102.34	183.56	*00 828.47
818.01 STF REPAIRS & MAINTENANCE	4500.00	.00	4500.00	867.12	1252.65	*00 1416.44
818.02 RECONCILIATION	225000.00	*00	225000.00	*00	*00	*00 32427.35
818.03 OMI CONTRACT SLUDGE DISPOSAL FEES	80000.00	*00	80000.00	17997.71	71990.16	*00 15309.16
818.04 BANK FEES & FINANCE CHARGES	10000.00	*00	10000.00	*00	*00	*00 6176.89
818.05 HOCH ROAD	*00	*00	*00	*00	*00	*00 10000.00
818.06 HOCH RD PRINCIPAL PMT	1000.00	*00	1000.00	*00	*00	*00 N/A
818.07 HOCH RD INTEREST FEES PM	36.00	*00	36.00	*00	*00	*00 0.00
819.00 OUT OF SCOPE SERVICES	457440.00	*00	457440.00	494357.00	30814.47	*00 463542.53
819.01 SEPTAGE RMB PRINCIPAL	230000.00	*00	230000.00	20000.00	*00	*00 230000.00
819.02 RMB INTEREST FE	70000.00	*00	70000.00	0.00	14320.00	*00 55680.00
819.03 SEPTAGE RMB INTEREST FE	10000.00	*00	10000.00	0.00	19403.15	*00 596.85
819.04 WTP PRINCIPAL	600.00	*00	600.00	*00	*00	*00 489.04
819.05 WTP INTEREST & FEES	2099.00	*00	2099.00	126.12	724.27	*00 1374.73
850.00 TELEPHONE, MOBILE	1352.00	*00	1352.00	45.11	114.33	*00 1237.67
852.00 TELEMETER EXP - GENERAL	*00	*00	*00	*00	*00	*00 N/A
853.00 MISS DIG SERVICES	280.00	*00	280.00	*00	*00	*00 280.00
860.00 TRAVEL	206.00	*00	206.00	*00	*00	*00 206.00
860.01 CONVENTIONS & CONFERENCES	1133085.00	36917.00	1170002.00	19491.74	162059.66	*00 1007942.34
CONTRACTUAL SERVICES	1133085.00	36917.00	1170002.00	19491.74	162059.66	*00 13.85
909.00 ADVERTISING	227.00	*00	227.00	*00	*00	*00 227.00
911.00 INSURANCE PAYMENTS	3181.00	*00	3181.00	*00	*00	*00 822.02
920.00 UTILITIES - HEAT	3293.00	2050.00	5343.00	1150.64	3938.69	*00 1404.31
921.00 UTILITIES - ELECTRIC	127336.00	*00	127336.00	42971.61	84364.39	*00 33.75

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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590 SEPTAGE TREATMENT FACILITY

470 SEPTAGE OPERATIONS

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
923.00 UTILITIES - WATER & SEWER	5069.00	11020.00	5069.00	372.79	947.44	*00	4121.56	18.69
924.00 UTILITIES - WASTE COLLECTION	92.00	11112.00	888.61	343.35	*00	7668.65	30.99	
924.01 CLEANING OF ROCK TRAP/GRIT	1950.00	19500.00	*00	4150.84	*00	15249.16	21.29	
924.02 CLEANING OF INFLUENT/EQUL.	40000.00	40000.00	*00	*00	*00	40000.00	*00	
924.03 CLEANING OF POST EQ	20000.00	20000.00	2350.00	190.00	*00	*00	1590.00	32.34
924.04 Dewatering Hoppers	2350.00	*00	*00	760.00	*00	*00	N/A	
924.11 BIO-FILTER MEDIA-ODOR CONTRO	*00	*00	*00	*00	*00	*00	N/A	
924.12 CLEANING OF MBR TANKS	*00	*00	*00	*00	*00	*00	N/A	
924.13 ATTD	*00	*00	*00	*00	*00	*00	N/A	
924.14 SNDR	*00	*00	*00	268.69	268.69	*00	541.31	33.17
925.34 WNTP CIP PROJECTS	810.00	810.00	810.00	810.00	810.00	*00	303.00	*00
925.96 WNTP MEMBRANE INSTALLATION	303.00	303.00	*00	*00	*00	*00	4032.00	*00
925.97 WNTP MEMBRANE REPLACEMENT	4032.00	*00	4032.00	*00	*00	*00	N/A	
925.98 CAPACITY LEASE	*00	*00	*00	*00	*00	*00	5304.61	*00
925.99 SEWER SYSTEM DISPOSAL, EXP	15800.00	810.00	14990.00	5304.61	5304.61	*00	9685.39	35.39
930.00 BLDG REPAIR & MAINT EXP	771.00	*00	771.00	15.90	15.90	*00	701.46	9.02
930.01 BLDG REPAIR & MAINT	516.00	*00	516.00	12.71	12.71	*00	503.29	2.46
930.02 VEHICLE REPAIR & MAINT	531.00	*00	531.00	86.38	86.38	*00	115.57	21.76
934.00 SYSTEM SOFTWARE	5301.00	*00	5301.00	*00	*00	*00	5301.00	*00
941.02 COUNTY INDIRECT COSTS - G.T.	5301.00	*00	5301.00	*00	*00	*00	2041.00	*00
942.01 OFFICE SPACE RENTAL	2041.00	*00	2041.00	*00	*00	*00	2061.00	*00
943.00 ENGINEERING	2061.00	*00	2061.00	*00	*00	*00	2061.00	*00
949.00 EMPLOYEE TRAINING & DEVELOP.	266.00	*00	266.00	*00	*00	*00	13.78	5.18
956.00 PRIOR YEAR DEFICIT	*00	*00	*00	*00	*00	*00	252.22	
963.81 FUND'S FOR SUBSEQUENT YEARS	*00	*00	*00	*00	*00	*00	N/A	
963.96 DEPRECIATION EXPENSE	*00	*00	*00	*00	*00	*00	N/A	
968.00 DEPRECIATION - BUILDINGS	*00	*00	*00	*00	*00	*00	N/A	
968.01 DEPRECIATION - EQUIPMENT	*00	*00	*00	*00	*00	*00	N/A	
968.02 DEPRECIATION - EQUIPMENT	*00	*00	*00	*00	*00	*00	N/A	
OTHER CHARGES	252670.00	13070.00	265740.00	18720.88	64355.81	*00	201384.19	24.22
975.00 BUILDINGS	*00	*00	*00	*00	*00	*00	*00	
976.01 IMPROVEMENTS	*00	*00	*00	*00	*00	*00	*00	
977.00 MACHINERY AND EQUIPMENT	*00	*00	*00	*00	*00	*00	*00	
977.07 TELEMETRY/TELEMETRIC EQUIPMENT	*00	*00	*00	*00	*00	*00	*00	
978.00 VEHICLE	*00	*00	*00	*00	*00	*00	*00	
CAPITAL OUTLAYS	*00	*00	*00	*00	*00	*00	*00	
991.00 PRINCIPAL	75000.00	13113.00	75000.00	*00	*00	*00	75000.00	*00
992.00 CONTINGENCY	20000.00	13113.00	6887.00	*00	*00	*00	6887.00	*00
992.50 PERSONNEL - CONTINGENCY	*00	*00	*00	*00	*00	*00	N/A	
995.00 INTEREST & FEES	20000.00	*00	20000.00	*00	*00	*00	28000.00	28.11.25
997.00 REFUNDS	28000.00	*00	28000.00	*00	*00	*00	*00	.00
DEBT SERVICE	143000.00	13113.00	129887.00	*00	19888.75	*00	109998.25	15.31
TOTALS	1604684.00	36917.00	1641601.00	42992.09	269111.50	*00	1372489.50	
CURRENT ACCUMULATIVE PERFORMANCE								
PERCENT OF BUDGET EXPENDED	39 %	16 %						

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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690 DEPT OF PUBLIC WORKS

443 DPW - GENERAL

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00	DEPARTMENT HEAD	72155.00	*00	72155.00	5912.12	31672.07	40482.93	43.89
701.01	PER DIEM	61789.00	*00	61789.00	99.33	297.99	1491.01	16.66
702.00	FULL TIME & REGULAR PART TIME	656962.00	*00	656962.00	42824.13	209457.65	447504.35	31.88
702.01	LONGEVITY PAYMENT	7497.00	*00	7497.00	*00	*00	7497.00	*00
702.02	PART TIME TEMPORARY	30617.00	*00	30617.00	7000.00	330.35	30617.00	27.77
704.00	OVERTIME	7000.00	*00	7000.00	*00	*00	5055.93	27.00
705.00	PERSONAL LEAVE	22479.00	*00	22479.00	*00	*00	22479.00	28.08
715.00	FICA	62390.00	*00	62390.00	17521.84	*00	44868.16	44.10
716.00	HEALTH, OPTICAL & DENTAL	119934.00	*00	119934.00	3508.46	*00	67044.38	36.20
716.02	SHORT & L-T DISABILITY	6831.00	*00	6831.00	11576.35	52889.62	4358.51	4.89
716.03	PAYOUT IN LIEU OF INSURANCE	8514.00	*00	8514.00	416.67	*00	8097.33	38.16
717.00	LIFE INSURANCE	2065.00	*00	2065.00	163.38	*00	1227.00	22.77
718.00	RETIREMENT DC	1438.00	*00	1438.00	57.69	*00	1110.60	26.54
718.01	RETIREMENT - DBUAL	48168.00	*00	48168.00	283.87	*00	35385.15	31.55
719.00	WORKER'S COMP INS	203243.00	*00	203243.00	13152.89	*00	139112.35	N/A
720.00	UNEMPLOYMENT COMPENSATION	*00	*00	*00	*00	*00	*00	N/A
	PERSONNEL	1251082.00	*00	1251082.00	*00	*00	856380.70	31.55
727.00	OFFICE SUPPLIES	12913.00	*00	12913.00	1010.46	2181.31	10731.69	16.89
729.00	PRINTING AND BINDING	426.00	*00	761.00	1187.00	850.77	336.23	71.67
729.02	COPY MACHINE USE	1703.00	*00	1703.00	*00	61.49	1641.51	3.61
730.00	POSTAGE	1892.00	*00	1892.00	*00	194.02	1697.98	10.25
742.00	SAFETY EQUIPMENT	4730.00	*00	4730.00	408.52	1002.33	3722.67	21.19
745.00	UNIFORMS & ACCESSORIES	8846.00	*00	8846.00	401.24	205.60	6788.40	23.26
745.02	CLOTHING ALLOWANCE	473.00	*00	473.00	47.30	447.10	425.70	10.00
747.00	SMALL TOOLS & SUPPLIES	10406.00	*00	10406.00	174.15	728.73	9022.16	35.32
748.00	GAS, OIL & GREASE	25542.00	*00	25542.00	234.84	*00	16519.84	N/A
775.00	JANITORIAL SUPPLIES	710.00	*00	710.00	*00	*00	710.00	N/A
	COMMODITIES	67641.00	761.00	68402.00	4383.51	16145.71	*00	52256.29
568.00	ATTORNEY FEES	17500.00	*00	17500.00	274.34	329.20	*00	17170.80
810.01	SUBSCRIPTIONS	488.00	*00	488.00	*00	488.00	322.45	33.92
810.01	DUES	1244.00	*00	1244.00	80.41	80.41	1163.59	6.16
812.00	IT CHARGES	33110.00	*00	33110.00	3884.92	13113.25	17996.75	45.15
812.00	INTERNET ACCESS	1278.00	*00	1278.00	104.04	510.74	767.26	39.95
818.00	CONTRACT SERVICES	11951.00	*00	11951.00	141.62	1490.88	468.12	76.10
850.00	TELEPHONE, MOBILE	10501.00	*00	10501.00	644.28	4887.55	5613.45	46.54
852.00	TELEMETER EXP - GENERAL	24123.00	*00	24123.00	805.40	2040.94	22082.06	8.46
853.00	MISS DIG SERVICES	*00	*00	*00	*00	*00	*00	N/A
860.00	TRAVEL	1419.00	*00	1419.00	*00	*00	1419.00	*00
860.01	CONVENTIONS & CONFERENCES	100.00	*00	100.00	*00	*00	100.00	*00
	CONTRACTUAL SERVICES	91722.00	*00	91722.00	5835.01	24618.52	*00	67103.48
909.00	ADVERTISING	473.00	*00	473.00	*00	*00	473.00	*00
911.00	INSURANCE PAYMENTS	56760.00	*00	56760.00	4205.51	*00	14654.49	74.18
920.00	UTILITIES - HEAT	4730.00	*00	4730.00	631.63	363.19	1096.81	76.81
921.00	UTILITIES - ELECTRIC	3800.00	*00	3800.00	328.54	154.97	2256.03	40.63
923.00	UTILITIES - WATER & SEWER	1230.00	*00	1230.00	58.33	233.32	996.68	18.97
924.00	UTILITIES - WASTE COLLECTION	1631.00	*00	1631.00	158.28	771.45	865.55	47.13
930.00	BLDG REPAIR & MAINT	4730.00	*00	4730.00	1637.00	1240.83	3489.17	26.23
932.00	EQUIP REPAIR & MAINT	9460.00	*00	9460.00	4730.00	227.03	4502.97	4.80
934.00	VEHICLE REPAIR & MAINT	*00	*00	*00	1542.01	2062.89	739.11	21.81
941.02	SYSTEM SOFTWARE	*00	*00	*00	*00	*00	9460.00	N/A
942.01	COUNTY INDIRECT COSTS G.T.	94600.00	*00	94600.00	*00	*00	36421.00	*00
943.00	OFFICE SPACE RENTAL	18920.00	*00	18920.00	*00	*00	18920.00	*00
949.00	ENGINEERING	4730.00	*00	4730.00	*00	245.96	4484.04	5.20
956.00	EMPLOYEE TRAINING & DEVELOP.	*00	*00	*00	*00	*00	190156.85	21.49
	OTHER CHARGES	242221.00	*00	242221.00	3229.62	*00	*00	N/A
975.00	BUILDINGS MACHINERY AND EQUIPMENT	*00	*00	*00	*00	*00	*00	N/A
977.00		.00	*00	*00	*00	*00	*00	

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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690 DEPT OF PUBLIC WORKS  
443 DPW - GENERAL

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	EXPENDITURES THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
977.07	TELEMETERING EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00	VEHICLE	.00	.00	.00	.00	.00	.00	.00	N/A
	CAPITAL OUTLAYS	.00	.00	.00	.00	.00	.00	.00	N/A
992.00	CONTINGENCY	19725.00	761.00-	18964.00	.00	.00	.00	18964.00	.00
	DEBT SERVICE	19725.00	761.00-	18964.00	.00	.00	.00	18964.00	.00
	TOTALS	1672391.00	.00	1672391.00	94383.04	487529.68	.00	1184861.32	
		CURRENT ACCUMULATIVE PERFORMANCE		6.9 %					
		PERCENT OF BUDGET EXPENDED		2.9 %					

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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690 DEPT OF PUBLIC WORKS  
444 DPM - ACME SEWER

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES THIS YEAR	BUDGET BALANCE	% EXPENDED REALIZED
701.00 DEPARTMENT HEAD	*00	*00	*00	.00	.00	*00	N/A
701.01 PER DIEM	*00	*00	*00	.00	.00	*00	N/A
702.00 FULL TIME & REGULAR PART TIME	*00	*00	*00	.00	.00	*00	N/A
702.01 LONGEVITY PAYMENT	*00	*00	*00	.00	.00	*00	N/A
703.00 PART TIME TEMPORARY	5000.00	*00	5000.00	171.16	1206.87	*00	3793.13
704.00 OVERTIME	*00	*00	*00	.00	.00	*00	24.14
705.00 PERSONAL LEAVE	383.00	*00	383.00	11.61	88.54	*00	294.46
715.00 FICA	*00	*00	*00	.00	.00	*00	23.12
716.00 HEALTH, OPTICAL & DENTAL	*00	*00	*00	.00	.00	*00	N/A
716.02 SHORT & L-T DISABILITY PAYMENT IN LIEU OF INSURANCE	*00	*00	*00	.00	.00	*00	N/A
716.03 LIFE INSURANCE	*00	*00	*00	.00	.00	*00	13.80
717.00 RETIREMENT	5.00	*00	5.00	.69	55.61	*00	4.31
718.00 RETIREMENT - DC	*00	*00	50.00	15.28	5.61	*00	5.61
718.05 RETIREMENT - DBUAL	*00	*00	225.00	23.59	166.40	*00	58.60
719.00 WORKER'S COMP INS	*00	*00	*00	.00	.00	*00	73.96
720.00 UNEMPLOYMENT COMPENSATION	*00	*00	*00	.00	.00	*00	N/A
725.99 PERSONNEL-CONTINGENCY	*00	*00	*00	.00	*00	*00	N/A
PERSONNEL	5383.00	280.00	5663.00	221.64	1518.11	*00	4144.89
727.00 OFFICE SUPPLIES	352.00	*00	352.00	*00	155.22	*00	196.78
729.00 PRINTING AND BINDING	456.00	*00	456.00	*00	21.33	*00	44.10
729.02 COPY MACHINE USE	*00	*00	*00	.00	4.68	*00	4.68
730.00 POSTAGE	3849.00	*00	3849.00	*00	1856.02	*00	N/A
742.00 SAFETY EQUIPMENT	*00	*00	*00	.00	1992.98	*00	48.22
745.00 UNIFORMS & ACCESSORIES	*00	*00	*00	.00	*00	*00	N/A
745.02 CLOTHING ALLOWANCE	*00	*00	*00	.00	*00	*00	N/A
747.00 SMALL TOOLS & SUPPLIES	*00	*00	*00	.00	*00	*00	N/A
748.00 GAS, OIL, GREASE - STATIONS	300.00	*00	300.00	*00	300.00	*00	*00
752.01 SEWER SYSTEM MATERIALS	1000.00	*00	1000.00	*00	0.00	*00	1000.00
752.50 SEWER SYS. MAINT & SUPPLIES	4000.00	*00	4000.00	*00	361.90	*00	3638.10
785.00 JANITORIAL SUPPLIES	*00	*00	*00	.00	*00	*00	9.05
COMMODITIES	18957.00	*00	18957.00	*00	2394.47	*00	16562.53
808.00 ATTORNEY FEES	*00	*00	*00	.00	*00	*00	N/A
810.00 SUBSCRIPTIONS	*00	*00	*00	.00	*00	*00	N/A
810.01 DUES	*00	*00	*00	.00	*00	*00	N/A
811.00 SERVICE CONTRACTS	*00	*00	*00	.00	*00	*00	N/A
812.00 INT CHARGES	*00	*00	*00	.00	*00	*00	N/A
812.01 INTERNET ACCESS	*00	*00	*00	.00	*00	*00	N/A
818.00 CONTRACT SERVICES	34664.00	7695.00	42359.00	106.80	1013.29	*00	41345.71
850.00 TELEPHONE, MOBILE	*00	*00	*00	.00	*00	*00	N/A
850.99 TELEPHONE, MOBILE	2816.00	699.00	3515.00	54.42	1289.37	*00	2225.63
852.00 TELEMETRIC EXP - GENERAL	750.00	*00	750.00	*00	620.00	*00	130.00
853.00 MISS DIG SERVICES	*00	*00	*00	.00	*00	*00	82.67
860.00 TRAVEL	*00	*00	*00	.00	*00	*00	N/A
860.01 CONVENTIONS & CONFERENCES	*00	*00	*00	.00	*00	*00	N/A
CONTRACTUAL SERVICES	38230.00	8394.00	46624.00	161.22	2922.66	*00	43701.34
909.00 ADVERTISING	*00	*00	*00	.00	*00	*00	N/A
911.00 INSURANCE PAYMENTS	*00	*00	*00	.00	*00	*00	N/A
920.00 UTILITIES - HEAT	*00	*00	*00	.00	*00	*00	N/A
921.00 UTILITIES - ELECTRIC	*00	*00	*00	.00	*00	*00	N/A
923.00 UTILITIES - WATER & SEWER	*00	*00	*00	.00	*00	*00	N/A
924.00 UTILITIES - WASTE COLLECTION	*00	*00	*00	.00	*00	*00	N/A
924.49 SEWER SYSTEM UTILITY EXP	17855.00	*00	17855.00	987.84	6664.56	*00	37.33
925.49 WWTP CIP PROJECTS	12000.00	*00	12000.00	3702.01	0.00	*00	30.85
925.94 WWTP MEMBRANE INSTALLATION	4288.00	*00	4288.00	*00	0.00	*00	4288.00
925.97 WWTP MEMBRANE REPLACEMENT	57171.00	*00	57171.00	*00	0.00	*00	57171.00
925.99 SEWER SYSTEM DISPOSAL EXP	272000.00	*00	260000.00	75229.13	184770.87	*00	28.93
930.00 BLDG REPAIR & MAINT	*00	*00	*00	.00	*00	*00	N/A
932.00 EQUIP REPAIR & MAINT	*00	*00	*00	.00	*00	*00	N/A
932.01 RADIO REPAIR & MAINT	*00	*00	*00	.00	*00	*00	N/A

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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690 DEPT OF PUBLIC WORKS

444 DW - ACME SEWER

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	BUDGET THIS MONTH	EXPENDITURE THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
934.00 VEHICLE REPAIR & MAINT	.00	*00	*00	*00	*00	*00	.00	N/A
941.00 EQUIP RENT/LEASE	.00	*00	*00	*00	522.77	*00	*00	N/A
941.02 SYSTEM SOFTWARE	922.00	*00	922.00	*00	*00	*00	399.23	56.70
942.01 COUNTY INDIRECT COSTS-G.T.	.00	*00	*00	*00	*00	*00	*00	N/A
943.00 OFFICE SPACE RENTAL	.00	*00	*00	*00	*00	*00	*00	N/A
949.00 ENGINEERING	5000.00	*00	5000.00	*00	67.50	*00	4932.50	1.35
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	*00	*00	*00	*00	*00	*00	N/A
963.08 SPECIAL PROJECTS	.00	*00	*00	*00	*00	*00	*00	N/A
OTHER CHARGES	357236.00	*00	357236.00	79986.48	86185.97	*00	271050.03	24.13
975.00 BUILDINGS	*00	*00	*00	*00	*00	*00	*00	N/A
977.00 MACHINERY AND EQUIPMENT	*00	*00	*00	*00	*00	*00	*00	N/A
977.07 TELEMETRY EQUIPMENT	*00	*00	*00	*00	*00	*00	*00	N/A
978.00 VEHICLE	*00	3932.00	3932.00	*00	*00	*00	3932.00	.00
CAPITAL OUTLAYS	,00	3932.00	3932.00	*00	*00	*00	3932.00	.00
992.00 CONTINGENCY	30000.00	979.00-	29021.00	*00	*00	*00	29021.00	*00
992.50 PERSONNEL-CONTINGENCY	*00	.00	.00	*00	*00	*00	*00	N/A
DEBT SERVICE	30000.00	979.00-	29021.00	*00	*00	*00	29021.00	.00
TOTALS	449806.00	11627.00	461433.00	80369.34	93021.21	*00	368411.79	
		CURRENT ACCUMULATIVE PERFORMANCE						
		PERCENT OF BUDGET EXPENDED						
		48 %						
		20 %						

**GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022**

690 DEPT OF PUBLIC WORKS

145 DPW = EAST BAY SEWER

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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690 DEPT OF PUBLIC WORKS

445 DPW - EAST BAY SEWER

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENSE THIS MONTH	EXPENSE THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
932.01 RADIO REPAIR & MAINT	.00	*00	.00	*00	.00	*00	*00	N/A
934.00 VEHICLE REPAIR & MAINT	.00	*00	.00	*00	.00	*00	*00	N/A
941.00 EQUIP RENT/LEASE	.00	*00	.00	*00	.00	*00	*00	N/A
941.02 SYSTEM SOFTWARE	941.00	*00	941.00	*00	503.07	*00	437.93	53.46
942.01 COUNTY INDIRECT COSTS-G.T.	.00	*00	.00	*00	.00	*00	*00	N/A
943.00 OFFICE SPACE RENTAL	.00	*00	.00	*00	.00	*00	*00	N/A
949.00 ENGINEERING	4,000.00	*00	4,000.00	*00	81.00	*00	3,919.00	2.03
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	*00	.00	*00	.00	*00	*00	N/A
963.08 SPECIAL PROJECTS	.00	*00	.00	*00	.00	*00	*00	N/A
OTHER CHARGES	43,896.00	*00	43,896.00	10,236.346	10,080.7049	*00	33,088.951	24.62
975.00 BUILDINGS	*00	23,962.00	*00	*00	*00	*00	23,962.00	N/A
977.07 MACHINERY AND EQUIPMENT	*00	23,962.00	*00	*00	*00	*00	23,962.00	*00
977.07 TELEMETRY EQUIPMENT	*00	4,719.00	*00	*00	*00	*00	4,719.00	N/A
978.00 VEHICLE	*00	4,719.00	*00	*00	*00	*00	*00	*00
CAPITAL OUTLAYS	*00	28,681.00	*00	*00	*00	*00	28,681.00	*00
992.00 CONTINGENCY	30,000.00	7,118.00-	22,882.00	*00	*00	*00	22,882.00	*00
992.50 PERSONNEL-CONTINGENCY	*00	*00	*00	*00	*00	*00	22,882.00	N/A
DEBT SERVICE	30,000.00	7,118.00-	22,882.00	*00	*00	*00	22,882.00	*00
TOTALS	51,680.00	30,759.00	54,756.00	10,2925.45	12,0873.81	*00	42,6694.19	
		CURRENT ACCUMULATIVE PERFORMANCE		52 ½				
		PERCENT OF BUDGET EXPENDED		22 %				

146 DPW - GARFIELD SEWER

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
001.00 DEPARTMENT HEAD	.00	*00	*00	*00	*00	*00	N/A
001.01 PER DIEM	.00	*00	*00	*00	*00	*00	N/A
002.00 FULL TIME & REGULAR PART TIME	.00	*00	*00	*00	*00	*00	N/A
002.01 LONGEVITY PAY	.00	*00	*00	*00	*00	*00	N/A
003.00 PART TIME TEMPORARY	8750.00	*00	8750.00	427.74	1535.53	7214.47	17.55
004.00 OVERTIME	.00	*00	*00	*00	*00	*00	N/A
005.00 PERSONAL LEAVE	669.00	*00	669.00	30.91	111.26	557.74	16.63
006.00 FICA	.00	*00	*00	*00	*00	*00	N/A
007.00 HEALTH, OPTICAL & DENTAL	.00	*00	*00	*00	*00	*00	N/A
008.00 SHORT & L-T DISABILITY PAYMENT IN LIEU OF INSURANCE	.00	*00	*00	*00	*00	*00	N/A
009.00 LIFE INSURANCE	.00	*00	*00	*00	*00	*00	N/A
010.00 RETIREMENT DC	.00	*00	*00	*00	*00	*00	4.17
011.00 RETIREMENT DB UAL	.00	*00	*00	*00	*00	*00	16.60
012.00 WORKER'S COMP INS	.00	*00	*00	*00	*00	*00	120.50
013.00 UNEMPLOYMENT COMPENSATION	.00	*00	*00	*00	*00	*00	94.12
014.00 PERSONNEL-CONTINGENCY	.00	*00	*00	*00	*00	*00	N/A
015.00 PERSONNEL	9419.00	280.00	9699.00	544.04	1919.64	*00	19.79
016.00 OFFICE SUPPLIES	678.00	*00	678.00	*00	299.76	*00	378.24
017.00 PRINTING AND BINDING	923.00	*00	923.00	*00	41.20	*00	881.80
018.00 COPY MACHINE USE	0.00	*00	0.00	*00	0.00	*00	N/A
019.00 DOCUMENTS & POSTAGE	7434.00	*00	7434.00	*00	3386.13	*00	4047.87
020.00 SAFETY EQUIPMENT	.00	*00	*00	*00	*00	*00	45.55
021.00 UNIFORMS & ACCESSORIES	.00	*00	*00	*00	*00	*00	N/A
022.00 CLOTHING ALLOWANCE	.00	*00	*00	*00	*00	*00	N/A
023.00 SMALL TOOLS & SUPPLIES	.00	*00	*00	*00	*00	*00	N/A
024.00 GAS, OIL & GREASE	1500.00	*00	1500.00	*00	0.00	*00	1500.00
025.00 GASOLINE SYSTEM MATERIALS	5000.00	*00	5000.00	*00	0.00	*00	5000.00
026.00 WATER SYSTEM MATERIALS	15000.00	*00	15000.00	*00	0.00	*00	15000.00
027.00 SEWER SYSTEM MAINT & SUPPLIES	50.00	*00	50.00	*00	0.00	*00	50.00
028.00 JANITORIAL SUPPLIES	15.00	*00	15.00	*00	0.00	*00	15.00
029.00 COMMODITIES	75535.00	*00	75535.00	*00	5314.67	*00	70220.33
030.00 ATTORNEY FEES	808.00	*00	808.00	*00	0.00	*00	N/A
031.00 SUBSCRIPTIONS	810.00	*00	810.00	*00	0.00	*00	N/A
032.01 DUES	.00	*00	*00	*00	*00	*00	N/A
033.00 SERVICE CONTRACTS	811.00	*00	811.00	*00	0.00	*00	N/A
034.00 IT CHARGES	.00	*00	*00	*00	*00	*00	N/A
035.00 INTERNET ACCESS	812.01	*00	812.01	*00	0.00	*00	N/A
036.00 CONTRACT SERVICES	47812.00	0.00	61482.00	0.00	255.88	1112.54	60369.46
037.00 TELEPHONE, MOBILE	8850.00	*00	8850.00	*00	0.00	*00	8850.00
038.00 TELEMETR EXP - GENERAL	8852.00	*00	8852.00	*00	161.02	3823.21	4946.19
039.00 MISS DIG SERVICES	8853.00	*00	8853.00	*00	0.00	1900.60	3999.40
040.00 TRAVEL	8860.00	*00	8860.00	*00	0.00	*00	8860.00
041.00 CONVENTIONS & CONFERENCES	8860.01	*00	8860.01	*00	0.00	*00	N/A
042.00 CONTRACTUAL SERVICES	56750.00	15812.00	72562.00	416.90	6846.35	*00	65715.65
043.00 ADVERTISING	909.00	*00	909.00	*00	0.00	*00	N/A
044.00 INSURANCE PAYMENTS	911.00	*00	911.00	*00	0.00	*00	N/A
045.00 UTILITYS - HEAT	920.00	*00	920.00	*00	0.00	*00	N/A
046.00 UTILITYS - ELECTRIC	921.00	*00	921.00	*00	0.00	*00	N/A
047.00 UTILITYS - WATER & SEWER	923.00	*00	923.00	*00	0.00	*00	N/A
048.00 UTILITYS - WASTE COLLECTION	924.00	*00	924.00	*00	0.00	*00	N/A
049.00 SYSTEM UTILITY EXP	43600.00	*00	43600.00	*00	43600.00	38474.58	28421.21
050.00 WTP CLIP PROJECTS	49800.00	*00	49800.00	*00	16569.47	16569.47	33230.53
051.00 FRONT ST LIFT STATION COSTS	5400.00	*00	5400.00	*00	0.00	0.00	5400.00
052.00 WTP MEMBRANE INSTALLATION	14761.00	*00	14761.00	*00	14761.00	4679.97	14761.00
053.00 SEWER SYSTEM REPLACEMENT	19800.00	*00	19800.00	*00	19800.00	0.00	19800.00
054.00 SYSTEM DISPOSAL EXP	84150.00	*00	84150.00	*00	79373.00	0.00	534738.19
055.00 EQUIP REPAIR & MAINT	930.00	*00	930.00	*00	0.00	0.00	N/A

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	EXPENDITURES THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
932 .01	RADIO REPAIR & MAINT.	.00	.00	.00	.00	.00	.00	.00	N/A
934 .00	VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	.00	N/A
941 .00	EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	.00	N/A
941 .02	SYSTEM SOFTWARE	2036 .00	.00	2036 .00	.00	1009 .66	.00	1026 .34	49.59
942 .01	COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	.00	N/A
943 .00	OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
949 .00	ENGINEERING	15000 .00	.00	15000 .00	391 .00	492 .25	.00	14507 .75	3.28
956 .00	EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	.00	.00	N/A
963 .08	SPECIAL PROJECTS	.00	.00	.00	.00	.00	.00	.00	N/A
	OTHER CHARGES	1121097 .00	.00	1121097 .00	279769 .86	296891 .95	.00	824205 .05	26.48
975 .00	BUILDINGS	.00	.00	.00	.00	.00	.00	.00	N/A
976 .01	IMPROVEMENTS	.00	.00	.00	.00	.00	.00	.00	N/A
977 .00	MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
977 .03	CELLULAR PHONES	.00	.00	.00	.00	.00	.00	.00	N/A
977 .07	TELEMETERING EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978 .00	VEHICLE	12058 .00	.00	12058 .00	.00	.00	.00	12058 .00	.00
	CAPITAL OUTLAYS	.00	.00	.00	.00	.00	.00	.00	.00
992 .00	CONTINGENCY	50000 .00	2422 .00-	47578 .00	.00	.00	.00	47578 .00	.00
992 .50	PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
	DEBT SERVICE	50000 .00	2422 .00-	47578 .00	.00	.00	.00	47578 .00	.00
	TOTALS	1312801 .00	25728 .00	1338529 .00	280730 .80	310972 .61	.00	1027556 .39	
	CURRENT ACCUMULATIVE PERFORMANCE	55 %							
	PERCENT OF BUDGET EXPENDED	23 %							

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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690 DEPT OF PUBLIC WORKS

448 DFW - GARFIELD WATER

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	*00	*00	*00	*00	*00	*00	N/A
701.01 PER DIEM	*00	*00	*00	*00	*00	*00	N/A
702.00 FULL TIME & REGULAR PART TIME	*00	*00	*00	*00	*00	*00	N/A
702.01 LONGEVITY PAYMENT	*00	*00	*00	*00	*00	*00	N/A
703.00 PART TIME TEMPORARY	8750.00	*00	8750.00	2758.56	4893.97	*00	3856.03
704.00 OVERTIME	*00	*00	*00	5.00	5.00	*00	55.93
705.00 PERSONAL LEAVE	669.00	*00	669.00	195.35	350.07	*00	52.33
715.00 FICA	*00	*00	*00	*00	*00	*00	N/A
716.00 HEALTH, OPTICAL & DENTAL	*00	*00	*00	*00	*00	*00	N/A
716.02 SHORT & L-T DISABILITY	*00	*00	*00	*00	*00	*00	N/A
716.03 PAYMENT IN LIEU OF INSURANCE	*00	*00	*00	*00	*00	*00	N/A
717.00 LIFE INSURANCE	*00	*00	*00	5.00	1.01	2.41	48.20
718.00 RETIREMENT DC	*00	*00	150.00	162.67	246.40	*00	96.40
718.01 RETIREMENT - DBUAL	*00	*00	500.00	380.40	674.85	*00	174.85
719.00 WORKER'S COMP INS	*00	*00	*00	*00	*00	*00	0.00
720.00 UNEMPLOYMENT COMPENSATION	*00	*00	*00	*00	*00	*00	N/A
725.99 PERSONNEL - CONTINGENCY	*00	*00	*00	*00	*00	*00	N/A
PERSONNEL	9419.00	655.00	10074.00	3497.99	6167.70	*00	3906.30
727.00 OFFICE SUPPLIES	576.00	*00	576.00	*00	254.26	*00	44.14
729.00 PRINTING AND BINDING	826.00	*00	826.00	*00	34.95	*00	4.23
729.02 COPY MACHINE USE	*00	*00	*00	*00	1820.92	*00	N/A
730.00 POSTAGE	7664.00	*00	7664.00	*00	0.00	*00	5843.08
742.00 SAFETY EQUIPMENT	*00	*00	*00	*00	0.00	*00	N/A
745.00 UNIFORMS & ACCESSORIES	*00	*00	*00	*00	0.00	*00	N/A
745.02 CLOTHING ALLOWANCE	*00	*00	*00	*00	0.00	*00	N/A
747.00 SMALL TOOLS & SUPPLIES	*00	*00	*00	*00	0.00	*00	N/A
748.00 GAS, OIL & GREASE	2500.00	*00	2500.00	*00	0.00	*00	2500.00
748.50 GAS, OIL, GREASE STATIONS	15100.00	*00	15100.00	1629.00	47731.20	10639.80	1.08
753.00 WATER SYSTEM MATERIALS & SUPPLIES	47000.00	*00	47000.00	2735.41	14492.87	32307.13	30.84
753.50 JANITORIAL SUPPLIES	*00	*00	*00	*00	*00	*00	N/A
COMMODITIES	209566.00	*00	209566.00	4364.41	18232.00	47731.20	143602.80
808.00 ATTORNEY FEES	*00	*00	*00	*00	*00	*00	N/A
810.00 SUBSCRIPTIONS	*00	*00	*00	*00	*00	*00	N/A
810.01 DUES	*00	*00	*00	*00	*00	*00	N/A
811.00 SERVICE CONTRACTS	*00	*00	*00	*00	*00	*00	N/A
811.01 IT CHARGES	*00	*00	*00	*00	*00	*00	N/A
812.01 INTERNET ACCESS	*00	*00	*00	*00	*00	*00	N/A
818.00 CONTRACT SERVICES	83719.00	13670.00	97389.00	267.11	1143.93	*00	96245.07
850.00 TELEPHONE	*00	*00	*00	*00	*00	*00	N/A
850.99 TELEPHONE, MOBILE	*00	*00	*00	456.91	6151.43	*00	16981.57
852.00 TELEMETER EXP - GENERAL	20522.00	2617.00	23139.00	376.46	2172.18	*00	26.58
853.00 MISS DIG SERVICES	2810.00	*00	2810.00	*00	*00	*00	77.30
860.00 TRAVEL	*00	*00	*00	*00	*00	*00	N/A
860.01 CONVENTIONS & CONFERENCES	*00	*00	*00	*00	*00	*00	N/A
CONTRACTUAL SERVICES	107051.00	16287.00	123338.00	1100.48	9467.54	*00	113B70.46
909.00 ADVERTISING	*00	*00	*00	*00	*00	*00	N/A
911.00 INSURANCE PAYMENTS	*00	*00	*00	*00	*00	*00	N/A
920.00 UTILITIES - HEAT	*00	*00	*00	*00	*00	*00	N/A
921.00 UTILITIES - ELECTRIC	*00	*00	*00	*00	*00	*00	N/A
923.00 UTILITIES - WATER & SEWER	*00	*00	10500.00	4880.00	5311.83	*00	5185.17
923.03 HYDRAULIC MAINTENANCE	*00	*00	10500.00	17411.00	13334.72	*00	119610.59
923.83 WATER SYSTEM UTILITY EXP	177411.00	*00	177411.00	13334.72	57800.41	*00	32.58
923.95 WATER FROM CITY	926600.00	*00	926600.00	*00	*00	*00	926600.00
924.00 UTILITIES - WASTE COLLECTION	*00	*00	*00	*00	*00	*00	N/A
930.00 BLDG REPAIR & MAINT	*00	*00	*00	*00	*00	*00	N/A
932.00 EQUIP REPAIR & MAINT	*00	*00	*00	*00	*00	*00	N/A
932.01 RADIO REPAIR & MAINT	*00	*00	*00	*00	*00	*00	N/A
934.00 VEHICLE REPAIR & MAINT	*00	*00	*00	*00	*00	*00	N/A
941.00 EQUIP RENT/LEASE	*00	*00	*00	*00	*00	*00	N/A

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	BUDGET THIS MONTH	EXPENDITURE THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
941.02 SYSTEM SOFTWARE		2710.00	*00	2710.00	*00	1644.62	*00	1065.38	60.69
942.01 COUNTY INDIRECT COSTS G.T.		*00	*00	*00	*00	*00	*00	N/A	N/A
943.00 OFFICE SPACE RENTAL		*00	*00	*00	*00	*00	*00	*00	*00
949.00 ENGINEERING		15000.00	15000.00	15000.00	436.90	538.15	*00	14461.85	3.59
956.00 EMPLOYEE TRAINING & DEVELOP.		*00	*00	*00	*00	*00	*00	*00	N/A
OTHER CHARGES		1132221.00	*00	1132221.00	18651.62	65298.01	*00	1066922.99	5.77
975.00 BUILDINGS		*00	*00	*00	*00	*00	*00	*00	N/A
976.01 IMPROVEMENTS		*00	*00	*00	*00	*00	*00	*00	N/A
977.00 MACHINERY AND EQUIPMENT		*00	*00	*00	*00	*00	*00	*00	N/A
977.07 TELEMETRY EQUIPMENT		*00	14732.00	14732.00	*00	*00	*00	14732.10	.00
978.00 VEHICLE		6000.00	*00	6000.00	*00	*00	*00	6000.00	.00
982.65 ASSESSMENT - ACT 165		6000.00	14732.00	20732.00	*00	*00	*00	20732.00	.00
CAPITAL OUTLAYS		50000.00	3272.00-	46728.00	*00	*00	*00	46728.00	*00
992.00 CONTINGENCY		*00	*00	*00	*00	*00	*00	46728.00	*00
992.50 PERSONNEL - CONTINGENCY		50000.00	3272.00-	46728.00	*00	*00	*00	46728.00	*00
DEBT SERVICE									
TOTALS		1514257.00	28402.00	1542659.00	27614.50	99165.25	47731.20	1397762.55	
	CURRENT ACCUMULATIVE PERFORMANCE	15 %							
	PERCENT OF BUDGET EXPENDED	6 %							

## 449 DFW - ELMWOOD SEWER

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	CURRENT ENCUMBRANCES THIS YEAR	BUDGET BALANCE % EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	.00	*00	*00	*00	*00	*00 N/A
701.01 PER DIEM	.00	*00	*00	*00	*00	*00 N/A
702.00 FULL TIME & REGULAR PART TIME	*00	*00	*00	*00	*00	*00 N/A
702.01 LONGEVITY	*00	*00	*00	*00	*00	*00 N/A
702.02 PART TIME TEMPORARY	*00	*00	*00	*00	*00	*00 N/A
704.00 OVERTIME	3750.00	*00	3750.00	21.26	297.46	3452.54 7.93
705.00 PERSONAL LEAVE	287.00	*00	287.00	1.50	21.86	265.14 7.62
715.00 FICA	287.00	*00	287.00	1.50	21.86	265.14 7.62
716.00 HEALTH, OPTICAL & DENTAL	0.00	*00	*00	*00	*00	*00 N/A
716.02 SHORT & LT-DISABILITY	0.00	*00	*00	*00	*00	*00 N/A
716.03 PAYMENT IN LIEU OF INSURANCE	0.00	*00	*00	*00	*00	*00 N/A
717.00 LIFE INSURANCE	0.00	1.00	1.00	*00	*00	*00 18.00
718.00 RETIREMENT DC	0.00	1.00	1.00	*00	*00	*00 8.2
718.05 RETIREMENT - DB UAL	0.00	100.00	100.00	1.90	1.90	98.10 41.03
719.00 WORKER'S COMP INS	0.00	0.00	0.00	0.00	0.00	*00 N/A
720.00 UNEMPLOYMENT COMPENSATION	0.00	0.00	0.00	0.00	0.00	*00 N/A
725.99 PERSONNEL-CONTINGENCY	*00	*00	*00	*00	*00	*00 N/A
PERSONNEL	4037.00	101.00	4138.00	27.59	362.43	*00 8.76
727.00 OFFICE SUPPLIES	328.00	*00	328.00	*00	144.95	*00 44.19
729.02 PRINTING AND BINDING	415.00	*00	415.00	*00	19.92	*00 4.80
729.02 COPY MACHINE USE	3595.00	*00	3595.00	*00	1700.33	*00 N/A
730.00 POSTAGE	0.00	*00	*00	*00	*00	1894.67 47.30
742.00 SAFETY EQUIPMENT	0.00	*00	*00	*00	*00	*00 N/A
745.00 UNIFORMS & ACCESSORIES	0.00	*00	*00	*00	*00	*00 N/A
745.02 CLOTHING ALLOWANCE	0.00	*00	*00	*00	*00	*00 N/A
747.00 SMALL TOOLS & SUPPLIES	0.00	*00	*00	*00	*00	*00 N/A
748.50 GAS, OIL & GREASE	350.00	*00	350.00	*00	*00	*00 N/A
750.50 GAS, OIL, GREASE - STATIONS	350.00	*00	350.00	*00	*00	*00 N/A
752.01 SEWER SYSTEM MATERIALS	1200.00	*00	1200.00	*00	*00	*00 *00
752.01 SEWER SYS. MAINT & SUPPLIES	4000.00	*00	4000.00	*00	*00	*00 .08
755.00 JANITORIAL SUPPLIES	0.00	*00	*00	*00	*00	*00 N/A
COMMODITIES	9888.00	*00	9888.00	*00	1868.56	*00 18.90
808.00 ATTORNEY FEES	*00	*00	*00	*00	*00	*00 N/A
810.00 SUBSCRIPTIONS	*00	*00	*00	*00	*00	*00 N/A
811.00 SERVICE CONTRACTS	*00	*00	*00	*00	*00	*00 N/A
812.00 IT CHARGES	*00	*00	*00	*00	*00	*00 N/A
812.01 INTERNET ACCESS	*00	13670.00	13670.00	35039.00	87.47	392.94 1.12
818.00 CONTRACT SERVICES	21369.00	*00	21369.00	*00	*00	34646.06 N/A
850.00 TELEPHONE, MOBILE	*00	*00	*00	*00	*00	*00 N/A
850.99 TELEPHONE, MOBILE	0.00	458.00	458.00	2993.00	93.05	1501.65 50.17
852.00 TELEMETER EXP - GENERAL	2535.00	0.00	2535.00	491.00	405.59	0.00 82.60
853.00 MISS DIG SERVICES	491.00	*00	491.00	*00	*00	*00 N/A
860.00 TRAVEL	*00	*00	*00	*00	*00	*00 N/A
860.01 CONVENTIONS & CONFERENCES	*00	*00	*00	*00	*00	*00 N/A
CONTRACTUAL SERVICES	24395.00	14128.00	38523.00	180.52	2300.18	*00 36222.82
909.00 ADVERTISING	*00	*00	*00	*00	*00	*00 N/A
911.00 INSURANCE PAYMENTS	*00	*00	*00	*00	*00	*00 N/A
920.00 UTILITIES - HABIT	*00	*00	*00	*00	*00	*00 N/A
921.00 UTILITIES - ELECTRIC	*00	*00	*00	*00	*00	*00 N/A
923.00 UTILITIES - WATER & SEWER	*00	*00	*00	*00	*00	*00 N/A
924.00 UTILITIES - WASTE COLLECTION	*00	*00	*00	*00	*00	*00 N/A
924.99 SEWER SYSTEM UTILITY EXP	10665.00	*00	10665.00	1066.51	4280.82	*00 6384.18 40.14
925.94 WWTP CIP PROJECTS	18400.00	6000.00	18400.00	2000.28	2000.28	*00 3999.12 33.34
925.95 FRONT ST LIFT STATION COSTS	1870.00	*00	1870.00	*00	15946.58	*00 2453.42 86.67
925.96 WWTP MEMBRANE INSTALLATION	24921.00	*00	24921.00	*00	*00	*00 1870.00 0.00
925.97 WWTP MEMBRANE REPLACEMENT	130400.00	6000.00	124400.00	32792.19	32792.19	*00 24921.00 0.00
930.00 BLDG REPAIR & MAINT	*00	*00	*00	*00	*00	*00 91607.81 26.36
932.00 EQUIP REPAIR & MAINT	*00	*00	*00	*00	*00	*00 N/A
932.01 RADIO REPAIR & MAINT	*00	*00	*00	*00	*00	*00 N/A

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

690 DEPT OF PUBLIC WORKS

449 DPW - ELMWOOD SEWER

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	EXPENDITURES THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
934.00 VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	.00	N/A
941.00 EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	.00	N/A
941.02 SYSTEM SOFTWARE	800.00	.00	800.00	.00	489.18	.00	311.82	61.02
942.01 COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	.00	N/A
943.00 OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
949.00 ENGINEERING	2500.00	.00	2500.00	44.10	44.10	.00	2455.90	1.76
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	.00	.00	N/A
963.08 SPECIAL PROJECTS	.00	.00	.00	.00	.00	.00	.00	N/A
OTHER CHARGES	189556.00	.00	189556.00	35903.08	55552.15	.00	134003.85	29.31
975.00 BUILDINGS	.00	.00	.00	.00	.00	.00	.00	N/A
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
977.07 TELEMETRY EQUIPMENT	.00	.00	2575.00	.00	.00	.00	2575.00	.00
978.00 VEHICLE	.00	.00	2575.00	.00	.00	.00	2575.00	.00
CAPITAL OUTLAYS	.00	2575.00	2575.00	.00	.00	.00	2575.00	.00
992.00 CONTINGENCY	20000.00	559.00-	19441.00	.00	.00	.00	19441.00	.00
992.50 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	20000.00	559.00-	19441.00	.00	.00	.00	19441.00	.00
TOTALS	247876.00	16245.00	264121.00	36111.19	60083.32	.00	204037.68	
	CURRENT ACCUMULATIVE PERFORMANCE	54 %						
	PERCENT OF BUDGET EXPENDED	22 %						

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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## 690 DEPT OF PUBLIC WORKS

## 451 DPW - PENINSULA SEWER

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	*00	*00	*00	*00	*00	*00	N/A
701.01 PER DIEM	*00	*00	*00	*00	*00	*00	N/A
702.00 FULL TIME & REGULAR PART TIME	*00	*00	*00	*00	*00	*00	N/A
702.01 LONGEVITY PAYMENT	*00	*00	*00	*00	*00	*00	N/A
703.00 PART TIME TEMPORARY	3750.00	*00	3750.00	39.50	65.39	0.00	3684.61
704.00 OVERTIME LEAVE	287.00	*00	287.00	2.75	4.64	0.00	282.36
705.00 PERSONAL LEAVE	287.00	*00	287.00	0.00	0.00	0.00	287.00
715.00 FICA	*00	*00	*00	*00	*00	*00	N/A
716.02 HEALTH & OPTICAL & DENTAL	*00	*00	*00	*00	*00	*00	N/A
716.03 SHORT & L-T DISABILITY PAYMENT IN LIEU OF INSURANCE	*00	*00	*00	*00	*00	*00	N/A
717.00 LIFE INSURANCE	*00	*00	*00	*00	*00	*00	N/A
718.00 RETIREMENT DC	*00	1.00	1.00	0.00	0.03	0.00	3.00
718.05 RETIREMENT - DB UAL	*00	10.00	10.00	3.01	3.01	0.00	90.10
719.00 WORKER'S COMP INS	*00	0.00	0.00	5.43	9.01	0.00	0.99
720.00 UNEMPLOYMENT COMPENSATION	*00	*00	*00	*00	*00	*00	N/A
725.99 PERSONNEL - CONTINGENCY	*00	*00	*00	*00	*00	*00	N/A
PERSONNEL	4037.00	11.00	4048.00	50.69	82.08	*00	3965.92
727.00 OFFICE SUPPLIES	137.00	*00	137.00	*00	60.32	*00	76.68
729.00 PRINTING AND BINDING	175.00	*00	175.00	*00	8.29	*00	166.71
729.02 COPY MACHINE USE	*00	*00	*00	*00	0.00	*00	N/A
730.00 POSTAGE	1496.00	*00	1496.00	*00	803.43	*00	692.57
742.00 SAFETY EQUIPMENT	*00	*00	*00	*00	*00	*00	N/A
745.00 UNIFORMS & ACCESSORIES	*00	*00	*00	*00	*00	*00	N/A
745.02 CLOTHING ALLOWANCE	*00	*00	*00	*00	*00	*00	N/A
747.00 SMALL TOOLS & SUPPLIES	*00	*00	*00	*00	*00	*00	N/A
748.00 GAS, OIL & GREASE	150.00	*00	150.00	*00	*00	*00	150.00
748.50 GAS, OIL, GREASE, STATIONS	500.00	8657.00	13657.00	0.00	0.00	*00	13657.00
752.01 SEWER SYSTEM MATERIALS	6000.00	*00	6000.00	35.00	2304.34	*00	3695.66
752.50 SEWER SYS. MAINT & SUPPLIES	*00	*00	*00	*00	*00	*00	N/A
755.00 JANITORIAL SUPPLIES	*00	*00	*00	*00	*00	*00	N/A
COMMODITIES	12958.00	8657.00	21615.00	35.00	3176.38	*00	18438.62
808.10 ATTORNEY FEES	*00	*00	*00	*00	*00	*00	N/A
810.00 SUBSCRIPTIONS	*00	*00	*00	*00	*00	*00	N/A
810.01 DUES	*00	*00	*00	*00	*00	*00	N/A
811.00 SERVICE CONTRACTS	*00	*00	*00	*00	*00	*00	N/A
812.00 IT CHARGES	*00	*00	*00	*00	*00	*00	N/A
812.01 INTERNET ACCESS	*00	*00	*00	*00	*00	*00	N/A
918.00 CONTRACT SERVICES	17520.00	*00	17520.00	*00	39.00	174.26	17345.74
850.00 TELEPHONE, MOBILE	*00	*00	*00	*00	*00	*00	N/A
850.29 TELEMETER, EXP - GENERAL	1252.00	233.00	1485.00	2.00	319.85	0.00	1165.15
853.00 MISS DIG SERVICES	250.00	*00	250.00	*00	206.27	0.00	82.50
860.00 TRAVEL	*00	*00	*00	*00	*00	*00	N/A
860.01 CONVENTIONS & CONFERENCES	*00	*00	*00	*00	*00	*00	N/A
CONTRACTUAL SERVICES	19022.00	233.00	19255.00	41.59	700.38	*0.00	18554.62
909.00 ADVERTISING	*00	*00	*00	*00	*00	*00	N/A
911.00 INSURANCE PAYMENTS	*00	*00	*00	*00	*00	*00	N/A
920.00 UTILITIES - HEAT	*00	*00	*00	*00	*00	*00	N/A
921.00 UTILITIES - ELECTRIC	*00	*00	*00	*00	*00	*00	N/A
923.00 UTILITIES - WATER & SEWER	*00	*00	*00	*00	*00	*00	N/A
924.00 UTILITIES - WASTE COLLECTION	*00	*00	*00	*00	*00	*00	N/A
924.99 SEWER SYSTEM UTILITY EXP	4300.00	*00	4300.00	391.38	1015.07	1015.07	2607.64
925.94 WWTP CIP PROJECTS	3045.00	*00	3045.00	0.00	1733.32	*00	2029.93
925.95 FRONT ST LIFT STATION COSTS	2000.10	*00	2000.10	0.00	908.00	*00	2666.68
925.96 WWTP MEMBRANE INSTALLATION	908.00	*00	908.00	*00	12094.00	*00	86.67
925.97 WWTP MEMBRANE REPLACEMENT	12094.00	*00	12094.00	*00	15913.85	*00	0.00
925.99 SEWER SYSTEM DISPOSAL EXP	53700.00	3045.00	50655.00	*00	15913.85	*00	31.42
926.00 BLDG, REPAIR & MAINT	*00	*00	*00	*00	*00	*00	N/A
932.00 EQUIP REPAIR & MAINT	*00	*00	*00	*00	*00	*00	N/A

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	EXPENDITURE THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED REALIZED
932.01	RADIO REPAIR & MAINT	.00	.00	.00	*.00	.00	*.00	.00	N/A
934.00	VEHICLE REPAIR & MAINT	.00	*.00	*.00	*.00	.00	*.00	.00	N/A
941.00	EQUIP RENT/LEASE	346.00	*.00	346.00	*.00	203.15	*.00	142.85	58.71
941.02	SYSTEM SOFTWARE	.00	*.00	*.00	*.00	.00	*.00	.00	N/A
942.01	COUNTY INDIRECT COSTS-G.T.	.00	*.00	*.00	*.00	.00	*.00	.00	N/A
943.00	OFFICE SPACE RENTAL	.00	*.00	*.00	*.00	.00	*.00	.00	1.13
949.00	ENGINEERING	2000.00	*.00	2000.00	22.50	22.50	*.00	.00	N/A
956.00	EMPLOYEE TRAINING & DEVELOP.	.00	*.00	*.00	*.00	.00	*.00	.00	N/A
963.08	SPECIAL PROJECTS	.00	*.00	*.00	*.00	.00	*.00	.00	N/A
	OTHER CHARGES	75348.00	*.00	75348.00	17342.80	20580.25	*.00	54767.75	27.31
975.00	BUILDINGS	.00	.00	.00	*.00	*.00	*.00	.00	N/A
977.00	MACHINERY AND EQUIPMENT	*.00	*.00	*.00	*.00	*.00	*.00	*.00	N/A
978.00	TELEMETERING EQUIPMENT VEHICLE	*.00	*.00	1311.00	1311.00	*.00	*.00	1311.00	*.00
	CAPITAL OUTLAYS	*.00	1311.00	1311.00	.00	*.00	*.00	1311.00	.00
992.00	CONTINGENCY	10000.00	244.00-	9756.00	*.00	*.00	*.00	9756.00	*.00
992.50	PERSONNEL-CONTINGENCY	.00	*.00	*.00	*.00	*.00	*.00	*.00	N/A
	DEBT SERVICE	10000.00	244.00-	9756.00	*.00	*.00	*.00	9756.00	*.00
	TOTALS	121365.00	9968.00	131333.00	17400.08	24539.09	*.00	106793.91	
		CURRENT ACCUMULATIVE PERFORMANCE	44 %						
		PERCENT OF BUDGET EXPENDED	18 %						

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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690 DEPT OF PUBLIC WORKS

452 EAST BAY WATER

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	EXPENDITURE THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED REALIZED
701.00	DEPARTMENT HEAD	.00	.00	.00	*00	*00	*00	.00	N/A
701.01	PER DIEM	.00	.00	.00	*00	*00	*00	.00	N/A
702.00	FULL TIME & REGULAR PART TIME	.00	.00	.00	*00	*00	*00	.00	N/A
702.01	LONGEVITY	.00	.00	.00	*00	*00	*00	.00	N/A
703.00	PART TIME TEMPORARY	10000.00	.00	10000.00	637.86	2806.53	7193.47	28.07	
704.00	OVERTIME	.00	.00	.00	*00	*00	*00	.00	N/A
705.00	PERSONAL LEAVE	.00	.00	765.00	44.84	208.91	556.09	27.31	
715.00	FIGCA	765.00	.00	765.00	*00	*00	*00	.00	N/A
716.00	HEALTH, OPTICAL & DENTAL	.00	.00	.00	*00	*00	*00	.00	N/A
716.02	SHORT & L-T DISABILITY	.00	.00	.00	*00	*00	*00	.00	N/A
716.03	PAYOUT IN LIEU OF INSURANCE	.00	.00	.00	*00	*00	*00	.00	N/A
717.00	LIFE INSURANCE	.00	.00	.00	*00	*00	*00	.00	N/A
718.00	RETIREMENT	.00	.00	80.00	38.26	1.91	95.18		
718.01	RETIREMENT DC	.00	.00	600.00	80.00	38.03	387.13	212.87	
719.00	WORKER'S COMP INS	.00	.00	.00	*00	*00	*00	.00	N/A
720.00	UNEMPLOYMENT COMPENSATION	.00	.00	.00	*00	*00	*00	.00	N/A
725.99	PERSONNEL-CONTINGENCY	.00	.00	.00	*00	*00	*00	.00	N/A
10765.00	PERSONNEL	680.00	11445.00	808.93	3480.62	*00	7964.38	30.41	
333.00	OFFICE SUPPLIES	333.00	.00	333.00	*00	147.16	185.84	44.19	
482.00	PRINTING AND BINDING	482.00	.00	482.00	*00	20.23	461.77	4.20	
729.02	COPY MACHINE USE	729.02	.00	729.02	*00	1961.55	1784.45	52.36	
3746.00	POSTAGE	3746.00	.00	3746.00	*00	1.00	0.00	N/A	
730.00	SAFETY EQUIPMENT	.00	.00	.00	*00	*00	*00	.00	N/A
745.00	UNIFORMS & ACCESSORIES	.00	.00	.00	*00	*00	*00	.00	N/A
745.02	CLOTHING ALLOWANCE	.00	.00	.00	*00	*00	*00	.00	N/A
747.00	SMALL TOOLS & SUPPLIES	.00	.00	.00	*00	*00	*00	.00	N/A
748.00	GAS, OIL & GREASE	750.00	.00	750.00	*00	66734.86	37659.14	120	
748.50	GAS, OIL, GREASE - STATIONS	3050.00	74165.00	10465.00	211.00	19947.37	51677.63	27.85	
763.00	WATER SYSTEM MATERIALS	71625.00	.00	71625.00	*00	0.00	0.00	N/A	
763.50	WATER SYS. MAINT & SUPPLIES	.00	.00	.00	*00	*00	*00	.00	N/A
767.50	JANITORIAL SUPPLIES	.00	.00	.00	*00	*00	*00	.00	N/A
107436.00	COMMODITIES	74165.00	181601.00	9197.63	22287.31	66794.86	92518.83	12.27	
808.00	ATTORNEY FEES	.00	.00	.00	*00	*00	*00	.00	N/A
810.00	SUBSCRIPTIONS	.00	.00	.00	*00	*00	*00	.00	N/A
811.00	SERVICE CONTRACTS	.00	.00	.00	*00	*00	*00	.00	N/A
812.00	IT CHARGES	.00	.00	.00	*00	*00	*00	.00	N/A
31269.00	INTERNET ACCESS	2078.00	.00	333347.00	15.88	679.20	32667.80	0.00	
818.00	CONTRACT SERVICES	.00	.00	.00	*00	*00	*00	.00	N/A
850.00	TELEPHONE, MOBILE	.00	.00	12516.00	145.46	3229.98	9286.02	25.81	
850.99	TELEMETRIC EXP - GENERAL	10933.00	1583.00	1700.00	201.14	1277.72	422.28	75.16	
853.00	MISS DIG SERVICES	1700.00	.00	.00	*00	*00	*00	.00	N/A
860.00	TRAVEL	.00	.00	.00	*00	*00	*00	.00	N/A
860.01	CONVENTIONS & CONFERENCES	.00	.00	.00	*00	*00	*00	.00	N/A
43902.00	CONTRACTUAL SERVICES	3661.00	47563.00	505.38	5186.90	*00	42376.10	10.91	
909.00	ADVERTISING	.00	.00	.00	*00	*00	*00	.00	N/A
911.00	INSURANCE PAYMENTS	.00	.00	.00	*00	*00	*00	.00	N/A
920.00	UTILITIES - HEAT	.00	.00	.00	*00	*00	*00	.00	N/A
921.00	UTILITIES - ELECTRIC	.00	.00	.00	*00	*00	*00	.00	N/A
923.00	UTILITIES - WATER & SEWER	.00	.00	.00	*00	*00	*00	.00	N/A
923.83	HYDENT MAINTENANCE EXP	1500.00	.00	1500.00	*00	232.20	1267.80	15.48	
923.85	WATER SYSTEM UTILITY EXP	116730.00	.00	116730.00	*00	7836.18	33051.45	28.31	
924.00	UTILITIES - WASTE COLLECTION	.00	.00	.00	*00	*00	*00	.00	N/A
930.00	BLDG REPAIR & MAINT	.00	.00	.00	*00	*00	*00	.00	N/A
932.00	EQUIP REPAIR & MAINT	.00	.00	.00	*00	*00	*00	.00	N/A
934.00	RADIO REPAIR & MAINT	.00	.00	.00	*00	*00	*00	.00	N/A
941.00	VEHICLE REPAIR & MAINT	.00	.00	.00	*00	*00	*00	.00	N/A
941.02	EQUIP RENT/LEASE	1608.00	.00	1608.00	*00	972.43	635.57	60.47	

690 DEPT OF PUBLIC WORKS  
452 EAST BAY WATER

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	E X P E N D I T U R E THIS MONTH	E X P E N D I T U R E THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
942.01	COUNTY INDIRECT COSTS-G.T.	*00	*00	*00	*00	*00	*00	*00	N/A
943.00	OFFICE SPACE RENTAL	*00	*00	*00	*00	*00	*00	*00	N/A
949.00	ENGINEERING	6000.00	*00	6000.00	153.00	153.00	*00	5847.00	2.55
956.00	EMPLOYEE TRAINING & DEVELOP.	*00	*00	*00	*00	*00	*00	*00	N/A
	OTHER CHARGES	125838.00	*00	125838.00	7989.18	34409.08	*00	91428.92	27.34
975.00	BUILDINGS	*00	*00	*00	*00	*00	*00	*00	N/A
977.00	MACHINERY AND EQUIPMENT	200000.00	*00	200000.00	*00	*00	*00	200000.00	*00
977.07	TELEMETERING EQUIPMENT	*00	*00	*00	*00	*00	*00	*00	N/A
978.00	VEHICLE	8913.00	*00	8913.00	*00	*00	*00	8913.00	*00
982.65	ASSESSMENT - ACT 165	1400.00	*00	1400.00	*00	*00	*00	1400.00	*00
	CAPITAL OUTLAYS	201400.00	8913.00	210313.00	*00	*00	*00	210313.00	*00
992.00	CONTINGENCY	40000.00	28128.-00-	11872.00	*00	*00	*00	11872.00	*00
992.50	PERSONNEL-CONTINGENCY	*00	*00	*00	*00	*00	*00	*00	N/A
	DEBT SERVICE	40000.00	28128.-00-	11872.00	*00	*00	*00	11872.00	*00
	TOTALS	529341.00	59291.00	588632.00	18501.12	65363.91	66794.86	456473.23	
	CURRENT ACCUMULATIVE PERFORMANCE				26 %				
	PERCENT OF BUDGET EXPENDED				11 %				

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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## 690 DEPT OF PUBLIC WORKS

## 458 PENINSULA TOWNSHIP WATER

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE
							% EXPENDED / REALIZED
701.00	DEPARTMENT HEAD	*00	*00	*00	*00	*00	.00
701.01	PER DIEM	*00	*00	*00	*00	*00	N/A
701.02	FULL TIME & REGULAR PART TIME	*00	*00	*00	*00	*00	N/A
702.01	LONGEVITY PAYMENT	*00	*00	*00	*00	*00	N/A
703.00	PART TIME TEMPORARY	2500.00	*00	2500.00	58.36	706.10	28.24
704.00	OVERTIME	0.00	*00	0.00	*00	*00	N/A
705.00	PERSONAL LEAVE	191.00	*00	191.00	4.10	52.39	27.43
715.00	FLICA	0.00	*00	0.00	*00	*00	N/A
716.00	HEALTH, OPTICAL & DENTAL	0.00	*00	0.00	*00	*00	N/A
716.02	SHORT & LT DISABILITY PAYMENT IN LIEU OF INSURANCE	0.00	*00	0.00	*00	*00	N/A
717.00	LIFE INSURANCE	0.00	*00	0.00	*00	*00	N/A
718.00	RETIREMENT DC	0.00	*00	0.00	*00	*00	N/A
718.05	RETIREMENT - DBUAL	0.00	*00	0.00	11.00	4.73	1.97
719.00	WORKER'S COMP INS	0.00	*00	0.00	75.00	8.14	130.04
720.00	UNEMPLOYMENT COMPENSATION	0.00	*00	0.00	*00	*00	N/A
725.99	PERSONNEL-CONTINGENCY	*00	*00	*00	*00	*00	N/A
PERSONNEL		2691.00	86.00	2777.00	75.33	869.53	.00
727.00	OFFICE SUPPLIES	128.00	*00	128.00	*00	56.29	.00
729.00	PRINTING AND BINDING	171.00	*00	171.00	*00	7.74	.00
730.00	COPIY MACHINE USE	0.00	*00	0.00	*00	*00	N/A
732.00	POSTAGE	1732.00	*00	1732.00	*00	751.20	43.37
742.00	SAFETY EQUIPMENT	0.00	*00	0.00	*00	*00	N/A
745.00	UNIFORMS & ACCESSORIES	0.00	*00	0.00	*00	*00	N/A
745.02	CLOTHING ALLOWANCE	0.00	*00	0.00	*00	*00	N/A
747.00	SMALL TOOLS & SUPPLIES	0.00	*00	0.00	*00	*00	N/A
748.00	GAS, OIL & GREASE	0.00	*00	0.00	*00	*00	N/A
748.00	GAS, OIL, GREASE - STATIONS	450.00	*00	450.00	*00	270.00	450.00
753.00	WATER SYSTEM MATERIALS & SUPPLIES	16500.00	4050.00	20550.00	270.00	16536.48	3743.52
753.50	WATER SYS. MAINT & SUPPLIES	11640.00	*00	11640.00	43.24	692.15	10947.85
725.00	JANITORIAL SUPPLIES	*00	*00	*00	*00	*00	N/A
COMMODITIES		30621.00	4050.00	34671.00	313.24	1777.38	16357.14
808.00	ATTORNEY FEES	0.00	*00	0.00	*00	*00	N/A
810.00	SUBSCRIPTIONS	0.00	*00	0.00	*00	*00	N/A
810.01	DUES	0.00	*00	0.00	*00	*00	N/A
811.00	SERVICE CONTRACTS	0.00	*00	0.00	*00	*00	N/A
812.00	TAX CHARGES	0.00	*00	0.00	*00	*00	N/A
812.01	INTERNET ACCESS	0.00	*00	0.00	*00	*00	N/A
818.00	CONTRACT SERVICES	20568.00	*00	20568.00	4.44	194.46	20373.54
850.00	TELEPHONE - MOBILE	0.00	*00	0.00	*00	*00	N/A
850.99	TELEPHONE - GENERAL	1373.00	345.00	1718.00	3.70	473.36	1244.64
853.00	MISS DIG SERVICES	370.00	*00	370.00	42.26	276.05	93.95
860.00	TRAVEL	0.00	*00	0.00	*00	*00	74.61
860.01	CONVENTIONS & CONFERENCES	0.00	*00	0.00	*00	*00	N/A
CONTRACTUAL SERVICES		22311.00	345.00	22656.00	90.40	943.87	21712.13
909.00	ADVERTISING	*00	*00	*00	*00	*00	N/A
911.00	INSURANCE PAYMENTS	*00	*00	*00	*00	*00	N/A
920.00	UTILITIES - HEAT	*00	*00	*00	*00	*00	N/A
921.00	UTILITIES - ELECTRIC	*00	*00	*00	*00	*00	N/A
923.00	UTILITIES - WATER & SEWER	315.00	*00	315.00	*00	48.81	266.19
923.83	HYDRANT MAINTENANCE	0.00	*00	0.00	*00	*00	15.50
923.85	WATER SYSTEM UTILITY EXP	24640.00	*00	24640.00	1955.78	7920.99	16719.01
923.95	WATER FROM CITY	104200.00	*00	104200.00	*00	*00	104200.00
924.00	UTILITIES - WASTE COLLECTION	0.00	*00	0.00	*00	*00	N/A
930.00	BLDG REPAIR & MAINT	*00	*00	*00	*00	*00	N/A
932.00	EQUIP REPAIR & MAINT	*00	*00	*00	*00	*00	N/A
932.01	RADIO REPAIR & MAINT	*00	*00	*00	*00	*00	N/A
934.00	VEHICLE REPAIR & MAINT	*00	*00	*00	*00	*00	N/A
941.00	EQUIP RENT/LEASE	*00	*00	*00	*00	*00	N/A

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDED THIS MONTH	EXPENDED THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
941.02	SYSTEM SOFTWARE	460.00	*00	460.00	*00	293.88	*00	166.12	63.89
942.01	COUNTY INDIRECT COSTS-G.T.	.00	*00	.00	*00	.00	*00	.00	N/A
943.00	OFFICE SPACE RENTAL	.00	*00	.00	*00	33.30	*00	1.966.70	1.67
949.00	ENGINEERING	2000.00	*00	2000.00	33.30	33.30	*00	*00	N/A
956.00	EMPLOYEE TRAINING & DEVELOP.	.00	*00	.00	*00	.00	*00	.00	N/A
OTHER CHARGES		131615.00	*00	131615.00	1990.08	8296.98	*00	123318.02	6.30
975.00	BUILDINGS	.00	*00	.00	*00	.00	*00	.00	N/A
977.00	MACHINERY AND EQUIPMENT	.00	*00	.00	*00	.00	*00	.00	N/A
977.07	TELEMETERING EQUIPMENT	.00	*00	.00	*00	.00	*00	.00	N/A
978.00	VEHICLE	194.00	*00	1940.00	*00	*00	*00	1940.00	.00
982.65	ASSESSMENT - ACT 165	1400.00	*00	1400.00	*00	*00	*00	1400.00	.00
CAPITAL OUTLAYS		1400.00	1940.00	3340.00	*00	*00	*00	3340.00	.00
992.00	CONTINGENCY	20000.00	4491.00-	15519.00	*00	*00	*00	15519.00	.00
992.50	PERSONNEL-CONTINGENCY	.00	*00	.00	*00	*00	*00	*00	N/A
DEBT SERVICE		20000.00	4481.00-	15519.00	*00	*00	*00	15519.00	.00
TOTALS		208638.00	1940.00	210578.00	2469.05	11887.76	16536.48	182153.76	
	CURRENT ACCUMULATIVE PERFORMANCE				13 %				
	PERCENT OF BUDGET EXPENDED				5 %				



GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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690 DEPT OF PUBLIC WORKS  
459 ELMWOOD TIMBERLEE WATER

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	EXPENDITURE THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
942.01 COUNTY INDIRECT COSTS - G.T.	*00	*00	*00	.00	.00	*00	*00	N/A
943.00 OFFICE SPACE RENTAL	*00	*00	*00	.00	.00	*00	*00	N/A
949.00 ENGINEERING	500.00	*00	500.00	22.50	292.50	*00	207.50	58.50
956.00 EMPLOYEE TRAINING & DEVELOP.	*00	*00	*00	.00	.00	*00	*00	N/A
OTHER CHARGES	8765.00	*00	8765.00	557.31	3991.51	*00	4773.49	45.54
BUILDINGS	*00	*00	*00	.00	*00	*00	*00	N/A
975.00 MACHINERY AND EQUIPMENT	*00	*00	*00	.00	*00	*00	*00	N/A
977.00 TELEMETRIC EQUIPMENT	*00	1311.00	1311.00	.00	*00	*00	*00	N/A
977.07 VEHICLE	*00	2000.00	2000.00	.00	*00	*00	1311.00	.00
978.00 ASSESSMENT - ACT 165	2000.00						2000.00	.00
CAPITAL OUTLAYS	2000.00	1311.00	3311.00	*00	*00	*00	3311.00	.00
992.00 CONTINGENCY	5000.00	233.00-	4767.00	*00	*00	*00	4767.00	N/A
992.50 PERSONNEL-CONTINGENCY	*00	*00	*00	*00	*00	*00	*00	N/A
DEBT SERVICE	5000.00	233.00-	4767.00	*00	*00	*00	4767.00	*00
TOTALS	51928.00	9006.00	60934.00	628.66	4989.75	631.20	55313.05	
		CURRENT ACCUMULATIVE PERFORMANCE						
		PERCENT OF BUDGET EXPENDED	19 %					
			8 %					

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EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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690 DEPT OF PUBLIC WORKS  
460 ACME WATER - HOPE VILLAGE

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	.00	*00	*00	.00	*00	.00	N/A
701.01 PER DIEM	.00	*00	*00	.00	*00	.00	N/A
702.00 FULL TIME & REGULAR PART TIME	.00	*00	*00	.00	*00	.00	N/A
702.01 LONGEVITY PAYMENT	.00	*00	*00	.00	*00	.00	N/A
702.02 PART TIME TEMPORARY	600.00	*00	600.00	1.67	1.67	598.33	2.8
704.00 OVERTIME	600.00	*00	600.00	1.67	1.67	598.33	N/A
705.00 PERSONAL LEAVE	46.00	*00	46.00	.00	*00	45.88	2.6
715.00 FICA	46.00	*00	46.00	.12	.12	45.88	N/A
716.00 HEALTH, OPTICAL & DENTAL	.00	*00	*00	.00	*00	.00	N/A
716.02 SHORT & L-T DISABILITY PAYMENT IN LIEU OF INSURANCE	.00	*00	*00	.00	*00	.00	N/A
716.03 LIFE INSURANCE	.00	*00	*00	.00	*00	.00	N/A
717.00 RETIREMENT	.00	*00	*00	.00	*00	.00	N/A
718.01 RETIREMENT DC	.00	*00	*00	.00	*00	.00	15%
718.05 RETIREMENT - DB UAL	.00	*00	*00	.00	*00	.00	23%
719.00 WORKER'S COMP INS	.00	*00	*00	.00	*00	.00	N/A
720.00 UNEMPLOYMENT COMPENSATION	.00	*00	*00	.00	*00	.00	N/A
725.99 PERSONNEL CONTINGENCY	.00	*00	*00	.00	*00	.00	N/A
PERSONNEL	646.00	*00	646.00	2.17	2.17	643.83	.34
727.00 OFFICE SUPPLIES	.00	*00	*00	.00	*00	.00	N/A
729.00 PRINTING AND BINDING	2.00	*00	2.00	.00	*00	2.00	0.0
729.02 COPY MACHINE USE	11.00	*00	11.00	.00	*00	11.00	N/A
730.00 POSTAGE	.00	*00	*00	.00	*00	.00	N/A
742.00 SAFETY EQUIPMENT	.00	*00	*00	.00	*00	.00	N/A
745.00 UNIFORMS & ACCESSORIES	.00	*00	*00	.00	*00	.00	N/A
745.02 CLOTHING ALLOWANCE	.00	*00	*00	.00	*00	.00	N/A
746.00 SMALL TOOLS & SUPPLIES	.00	*00	*00	.00	*00	.00	N/A
748.00 GAS, OIL, GREASE	50.00	*00	50.00	.00	*00	50.00	.00
748.50 GAS, OIL, GREASE - STATIONS	500.00	*00	500.00	.00	*00	500.00	.00
753.00 WATER SYSTEM MATERIALS	3450.00	*00	3450.00	2.57	2.57	3423.15	.78
753.50 WATER SYS. MAINT & SUPPLIES	*00	*00	*00	.00	*00	*00	N/A
765.00 JANITORIAL SUPPLIES	*00	*00	*00	.00	*00	.00	N/A
COMMODITIES	4013.00	*00	4013.00	2.57	2.57	3986.15	.67
808.00 ATTORNEY FEES	.00	*00	*00	.00	*00	.00	N/A
810.00 SUBSCRIPTIONS	.00	*00	*00	.00	*00	.00	N/A
810.01 DUES	.00	*00	*00	.00	*00	.00	N/A
811.00 SERVICE CONTRACTS	.00	*00	*00	.00	*00	.00	N/A
812.00 INT CHARGES	.00	*00	*00	.00	*00	.00	N/A
812.01 INTERNET ACCESS	.00	*00	*00	.00	*00	.00	N/A
818.00 CONTRACT SERVICES	570.00	*00	570.00	2.33	2.33	560.68	1.64
850.00 TELEPHONE, MOBILE	.00	*00	*00	.00	*00	.00	N/A
850.99 TELEMETER EXP - GENERAL	1066.00	*00	1066.00	45.32	45.32	827.97	25.00
852.00 MISS DIG SERVICES	40.00	*00	40.00	.40	.40	276.03	5.95
853.00 TRAVEL	.00	*00	*00	.00	*00	23.62	3.88
860.01 CONVENTIONS & CONFERENCES	.00	*00	*00	.00	*00	.00	N/A
CONTRACTUAL SERVICES	1676.00	*00	1676.00	38.00	38.00	1405.03	18.03
909.00 ADVERTISING PAYMENTS	*00	179.00	179.00	.00	*00	.75	5.8
911.00 INSURANCE PAYMENTS	*00	*00	*00	.00	*00	.00	N/A
920.00 UTILITIES - HEAT	*00	*00	*00	.00	*00	.00	N/A
921.00 UTILITIES - ELECTRIC	*00	*00	*00	.00	*00	.00	N/A
923.00 UTILITIES - WATER & SEWER	*00	*00	*00	.00	*00	.00	N/A
923.83 INDANT MAINTENANCE	*00	*00	*00	.00	*00	.00	N/A
923.85 WATER SYSTEM UTILITY EXP	2930.00	*00	2930.00	255.53	255.53	1305.16	4.54
924.00 UTILITIES - WASTE COLLECTION	*00	*00	*00	.00	*00	.00	N/A
924.26 LOCHENBARTH	*00	*00	*00	.00	*00	.00	N/A
930.00 BLDG REPAIR & MAINT	*00	*00	*00	.00	*00	.00	N/A
932.01 EQUIP REPAIR & MAINT	*00	*00	*00	.00	*00	.00	N/A
932.01 VEHICLE REPAIR & MAINT	*00	*00	*00	.00	*00	.00	N/A
941.00 EQUIP RENT/LEASE	*00	*00	*00	.00	*00	.00	N/A

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EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	EXPENDITURE THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
690 DEPT OF PUBLIC WORKS	460 ACME WATER - HOPE VILLAGE								
941.02 SYSTEM SOFTWARE	23.00	.00	23.00	00	11.92	*00	11.08	51.83	
942.01 COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	*00	.00	N/A	
943.00 OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	*00	.00	N/A	
949.00 ENGINEERING TRAINING & DEVELOP.	100.00	.00	100.00	3.60	3.60	*00	96.40	3.60	
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	*00	.00	N/A	
OTHER CHARGES	3053.00	179.00	3232.00	259.13	1498.93	*00	1733.07	46.38	
975.00 BUILDINGS	.00	.00	.00	.00	.00	*00	.00	N/A	
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	*00	.00	N/A	
977.07 TELEMETRETING EQUIPMENT	.00	.00	.00	.00	.00	*00	.00	N/A	
978.00 VEHICLE	210.00	210.00	210.00	00	00	*00	210.00	.00	
982.65 ASSESSMENT - ACT 165	700.00	.00	700.00	00	00	*00	700.00	.00	
CAPITAL OUTLAYS	700.00	210.00	910.00	00	00	*00	910.00	.00	
992.00 CONTINGENCY	1000.00	217.00-	783.00	00	00	*00	783.00	.00	
992.50 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	*00	.00	N/A	
DEBT SERVICE	1000.00	217.00-	783.00	00	00	*00	783.00	.00	
TOTALS	11088.00	210.00	11298.00	311.52	1836.92	*00	9461.08		
		CURRENT ACCUMULATIVE PERFORMANCE	39 %						
		PERCENT OF BUDGET EXPENDED	16 %						

690 DEPT OF PUBLIC WORKS

462 ELMWOOD GRELLICKVILLE WATER

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES THIS YEAR	BUDGET BALANCE	% EXPENDED / REALIZED
462 ELMWOOD GRETLICKVILLE WATER								
941.02 SYSTEM SOFTWARE	107.00	.00	107.00	.00	60.63	.00	46.37	56.66
942.01 COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	.00	N/A
943.00 OFFICE SPACE RENTAL	1000.00	.00	1000.00	.00	12.60	.00	.00	N/A
949.00 ENGINEERING	1000.00	.00	1000.00	.00	.00	.00	987.40	1.26
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	.00	.00	N/A
OTHER CHARGES	24107.00	.00	24107.00	12.60	83.57	.00	24023.43	.35
975.00 BUILDINGS	.00	.00	.00	.00	.00	.00	.00	N/A
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
977.07 TELEMETRY EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00 VEHICLE	700.00	729.00	729.00	.00	.00	.00	729.00	.00
982.65 ASSESSMENT - ACT 165	.00	.00	.00	.00	.00	.00	700.00	.00
CAPITAL OUTLAYS	700.00	729.00	1429.00	.00	.00	.00	1429.00	.00
992.00 CONTINGENCY	2000.00	255.00	1745.00	.00	.00	.00	1745.00	.00
992.50 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	2000.00	255.00-	1745.00	.00	.00	.00	1745.00	.00
TOTALS	49610.00	14399.00	64009.00	52.52	1077.25	1734.28	61197.47	
		CURRENT ACCUMULATIVE PERFORMANCE						
		PERCENT OF BUDGET EXPENDED						
		4 %						
		1 %						

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

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690 DEPT OF PUBLIC WORKS  
465 WHITEWATER SEWER

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED REALIZED
701.00	DEPARTMENT HEAD	*00	*00	*00	*00	*00	*00	N/A
702.00	FULL TIME & REGULAR PART TIME	*00	*00	*00	*00	*00	*00	N/A
702.01	LONGEVITY PAYMENT	*00	*00	*00	*00	*00	*00	N/A
703.00	PART TIME TEMPORARY	250.00	*00	250.00	*00	*00	*00	245.47
704.00	OVERTIME	19.00	*00	19.00	4.53	4.53	*00	1.81
705.00	PERSONAL LEAVE	*00	*00	*00	*00	*00	*00	N/A
715.00	FICA	19.00	*00	19.00	*35	*35	*00	1.84
716.00	HEALTH, OPTICAL & DENTAL	*00	*00	*00	*00	*00	*00	N/A
716.02	SHORT & LONG DISABILITY	*00	*00	*00	*00	*00	*00	N/A
717.00	LIFE INSURANCE	*00	*00	*00	*00	*00	*00	N/A
718.00	RETIREMENT DC	*00	*00	*00	*01	*01	*00	*01-
718.05	RETIREMENT - DB UAL	*00	*00	*00	*00	*00	*00	N/A
719.00	WORKER'S COMP INS	*00	*00	*00	*64	*64	*00	64-
720.00	EMPLOYMENT COMPENSATION	*00	*00	*00	*00	*00	*00	N/A
725.99	PERSONNEL-CONTINGENCY	*00	*00	*00	*00	*00	*00	N/A
PERSONNEL		269.00	*00	269.00	5.53	5.53	*00	2.06
727.00	OFFICE SUPPLIES	14.00	*00	14.00	*00	*00	*00	42.71
729.00	PRINTING AND BINDING	17.00	*00	17.00	*82	*82	*00	4.82
729.02	COPY MACHINE USE	*00	*00	*00	*00	*00	*00	N/A
730.00	POSTAGE	149.00	*00	149.00	*00	93.31	*00	62.62
742.00	SAFETY EQUIPMENT	*00	*00	*00	*00	*00	*00	N/A
745.00	UNIFORMS & ACCESSORIES	*00	*00	*00	*00	*00	*00	N/A
745.02	CLOTHING ALLOWANCE	*00	*00	*00	*00	*00	*00	N/A
747.00	SMALL TOOLS & SUPPLIES	*00	*00	*00	*00	*00	*00	N/A
748.00	GAS, OIL & GREASE	*00	*00	*00	*00	*00	*00	N/A
748.50	GAS, OIL, GREASE - STATIONS	*00	*00	*00	*00	*00	*00	1.32
752.50	SEWER SYS MAINT & SUPPLIES	2500.00	*00	2500.00	*00	32.99	*00	N/A
775.00	JANITORIAL SUPPLIES	*00	*00	*00	*00	*00	*00	N/A
COMMODITIES		2680.00	*00	2680.00	*00	133.10	*00	4.97
808.00	ATTORNEY FEES	*00	*00	*00	*00	*00	*00	N/A
810.00	SUBSCRIPTIONS	*00	*00	*00	*00	*00	*00	N/A
810.01	DIES	*00	*00	*00	*00	*00	*00	N/A
812.00	IT CHARGES	*00	*00	*00	*00	*00	*00	N/A
812.01	INTERNET ACCESS	*00	*00	*00	*00	*00	*00	N/A
818.00	CONTRACT SERVICES	1031.00	*00	1031.00	2.43	11.53	*00	1.12
850.00	TELEPHONE	*00	*00	*00	*00	*00	*00	N/A
850.99	MOBILE	*00	*00	*00	*00	*00	*00	N/A
853.00	MISS DIG SERVICES	*00	*00	*00	*00	*00	*00	N/A
860.00	TRAVEL	*00	*00	*00	*00	*00	*00	N/A
860.01	CONVENTIONS & CONFERENCES	*00	*00	1031.00	2.43	11.53	*00	1.12
CONTRACTUAL SERVICES		1031.00	*00	1031.00	2.43	11.53	*00	1.12
909.00	ADVERTISING	*00	*00	*00	*00	*00	*00	N/A
911.00	INSURANCE PAYMENTS	*00	*00	*00	*00	*00	*00	N/A
920.00	UTILITIES - HEAT	*00	*00	*00	*00	*00	*00	N/A
921.00	UTILITIES - ELECTRIC	*00	*00	*00	*00	*00	*00	N/A
923.00	UTILITIES - WATER & SEWER	*00	*00	*00	*00	*00	*00	N/A
924.99	SEWER SYSTEM UTILITY EXP	425.00	*00	425.00	41.33	208.35	*00	49.02
932.00	BLDG REPAIR & MAINT	*00	*00	*00	*00	*00	*00	N/A
934.00	EQUIP REPAIR & MAINT	*00	*00	*00	*00	*00	*00	N/A
941.02	SYSTEM SOFTWARE	27.00	*00	27.00	*00	20.14	*00	74.59
942.01	COUNTY INDIRECT COSTS - G.T.	*00	*00	*00	*00	*00	*00	N/A
943.00	OFFICE SPACE RENTAL	*00	*00	*00	*00	*00	*00	N/A
949.00	ENGINEERING	*00	*00	*00	*00	*00	*00	N/A
956.00	EMPLOYEE TRAINING & DEVELOP.	*00	*00	*00	*00	*00	*00	N/A
OTHER CHARGES		452.00	*00	452.00	41.33	228.49	*00	223.51
MACHINERY AND EQUIPMENT		.00	*00	*00	*00	*00	*00	N/A
977.00		.00						

690 DEPT OF PUBLIC WORKS  
 465 WHITEWATER SEWER

GRAND TRAVERSE COUNTY  
 EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

PAGE 30

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	EXPENDITURE THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
CAPITAL OUTLAYS	.00	.00	.00	.00	.00	.00	.00	N/A
992.00 CONTINGENCY	552.00	.00	552.00	.00	.00	.00	552.00	.00
992.50 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	552.00	.00	552.00	.00	.00	.00	552.00	.00
TOTALS	4984.00	.00	4984.00	49.29	378.65	.00	4605.35	
	CURRENT ACCUMULATIVE PERFORMANCE		18 %					
	PERCENT OF BUDGET EXPENDED		7 %					

697 HOCH ROAD FACILITY  
443 DPW - GENERAL

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

PAGE 1

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00	DEPARTMENT HEAD	76.00	* 00	76.00	6.24	33.86 * 00	42.14	44.55
701.01	PER DIEM & REGULAR PART TIME	72.00	* 00	72.00	69.41	218.85 * 00	1.73	13.50
702.01	LONGEVITY PAYMENT	8.00	* 00	8.00	.00	* 00	75.15	31.53
703.00	PART TIME TEMPORARY	33.00	* 00	33.00	.00	* 00	33.00	* 00
704.00	OVERTIME	10.00	* 00	10.00	.45	1.54	15.40	15.40
705.00	PERSONAL LEAVE	24.00	* 00	24.00	.00	* 00	24.00	24.00
715.00	FLICA	65.00	* 00	65.00	3.65	18.47	46.53	28.42
716.00	HEALTH, OPTICAL & DENTAL	127.00	* 00	127.00	12.16	56.94	70.06	44.83
716.12	L-T DISABILITY PAYMENT IN LIEU OF INSURANCE	7.00	* 00	7.00	.52	2.67	0.00	38.14
716.03	LIFE INSURANCE	9.00	* 00	9.00	.00	* 00	9.00	0.00
717.00	RETIREMENT DC	2.00	* 00	2.00	.07	.35	* 00	40.00
718.00	RETIREE BENEFITS	100.00	* 00	100.00	2.91	13.28	* 00	1.19
718.05	WORKER'S COMP INS	215.00	* 00	215.00	13.80	66.84	86.72	13.28
719.00	UNEMPLOYMENT COMPENSATION	* 00	* 00	* 00	.00	* 00	* 00	31.09
720.00	PERSONNEL	* 00	* 00	* 00	.00	* 00	* 00	N/A
		1374.00	* 00	1374.00	84.20	413.88 * 00	960.12	30.12
727.00	OFFICE SUPPLIES	14.00	* 00	14.00	1.07	2.33	* 00	11.67
729.00	PRINTING AND BINDING	1.00	* 00	1.00	.00	* 00	1.10	16.64
729.02	COPY MACHINE USE	2.00	* 00	2.00	.00	* 00	1.93	45.00
730.00	POSTAGE	2.00	* 00	2.00	.00	* 00	1.79	3.50
742.00	SAFETY EQUIPMENT	5.00	* 00	5.00	.00	* 00	1.05	10.50
745.00	UNIFORMS & ACCESSORIES	10.00	* 00	10.00	.43	1.06	0.00	3.94
745.02	CLOTHING ALLOWANCE	1.00	* 00	1.00	.44	2.25	0.00	22.50
747.00	SMALL TOOLS & SUPPLIES	11.00	* 00	11.00	.05	.05	0.00	5.00
748.00	GAS, OIL & GREASE	27.00	* 00	27.00	.18	.79	0.00	7.18
775.00	JANITORIAL SUPPLIES	1.00	* 00	1.00	.00	.00	1.00	35.30
		74.00	* 00	75.00	4.64	17.19	* 00	57.81
80	COMMODITIES	20.00	* 00	20.00	.29	.35	* 00	19.65
818.00	ATTORNEY FEES	1.00	* 00	1.00	.00	.18	* 00	1.75
810.00	SUBSCRIPTIONS	2.00	* 00	2.00	.09	.09	* 00	18.00
810.01	DUES	35.00	* 00	35.00	4.10	15.97	* 00	4.50
812.00	IT CHARGES	2.00	* 00	2.00	.11	.53	* 00	19.03
812.01	INTERNET ACCESS	3.00	* 00	3.00	.04	.56	* 00	1.44
818.00	CONTRACT SERVICES	12.00	* 00	12.00	.68	5.17	* 00	52.00
850.00	TELEPHONE, MOBILE	26.00	* 00	26.00	.86	2.16	* 00	6.83
852.00	TELEMETER EXP - GENERAL	* 00	* 00	* 00	.00	* 00	* 00	43.08
853.00	MISS DIG SERVICES	* 00	* 00	* 00	.00	* 00	* 00	8.31
860.00	TRAVEL	2.00	* 00	2.00	.00	.00	* 00	2.00
860.01	CONVENTIONS & CONFERENCES	1.00	* 00	1.00	.00	.00	* 00	1.00
		104.00	* 00	104.00	6.17	26.01	* 00	77.99
909.00	ADVERTISING	1.00	* 00	1.00	.00	.00	* 00	1.00
911.00	INSURANCE PAYMENTS	60.00	* 00	60.00	.00	.00	* 00	15.49
920.00	UTILITIES - ELECTRIC	2705.00	1000.00	3705.00	67	44.51	3345.15	74.18
921.00	UTILITIES - HEAT	1295.00	* 00	1295.00	128.12	523.94	* 00	70.29
922.00	UTILITIES - WATER & SEWER	2.00	* 00	2.00	.06	.24	* 00	40.46
922.01	WATER & SEWER COLLECTION	505.00	100.00	405.00	.17	.82	* 00	77.16
930.00	BLDG REPAIR & MAINT	5.00	* 00	5.00	.30	1.32	* 00	40.33
932.00	EQUIP REPAIR & MAINT	10.00	* 00	10.00	.24	2.24	* 00	4.80
934.00	VEHICLE REPAIR & MAINT	* 00	* 00	* 00	1.64	2.19	* 00	2.19
941.02	SYSTEM SOFTWARE	* 00	* 00	* 00	.00	.00	* 00	N/A
942.01	COUNTY INDIRECT COSTS-G.T.	100.00	* 00	100.00	.00	.00	* 00	.00
943.00	OFFICE SPACE RENTAL	39.00	* 00	39.00	.00	.00	* 00	39.00
949.00	ENGINEERING	20.00	* 00	20.00	.00	.00	* 00	0.00
956.00	EMPLOYEE TRAINING & DEVELOP.	5.00	* 00	5.00	.26	.00	* 00	5.20
		4749.00	900.00	5649.00	131.20	3918.67	* 00	1730.33
975.00	OTHER CHARGES	* 00	* 00	* 00	.00	* 00	* 00	N/A
977.00	BUILDINGS MACHINERY AND EQUIPMENT	* 00	* 00	* 00	.00	* 00	* 00	N/A

GRAND TRAVERSE COUNTY  
EXPENDITURE BUDGET STATUS REPORT AS OF 05/31/2022

PAGE 2

697 HOCH ROAD FACILITY  
443 DPW - GENERAL

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDED THIS MONTH	ENCUMBRANCES THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED REALIZED
977.07 TELEMETRY EQUIPMENT	.00	* .00	* .00	.00	* .00	.00	.00	N/A
978.00 VEHICLE	.00	* .00	* .00	.00	* .00	.00	.00	N/A
CAPITAL OUTLAYS	.00	.00	.00	.00	* .00	.00	.00	N/A
992.00 CONTINGENCY	1021.00	901.00-	120.00	.00	* .00	.00	120.00	* .00
DEBT SERVICE	1021.00	901.00-	120.00	.00	* .00	.00	120.00	* .00
TOTALS	7322.00	.00	7322.00	226.21	4375.75	.00	2946.25	
		CURRENT ACCUMULATIVE PERFORMANCE	143 %					
		PERCENT OF BUDGET EXPENDED	59 %					



Engineering  
Surveying  
Testing &  
Operations

123 West Front Street  
Traverse City, Michigan 49684  
231 946 5874   
231 946 3703

March 30, 2022

## SUMMARY OF BILLINGS FOR APPROVAL FROM GRAND TRAVERSE COUNTY DPW

### I. General Utility Services (As Needed)

1. Engineering services for Miss Dig Requests, Elmwood Township, Various Locations		
Project# 22029      Invoice 2202901		\$92.00
2. Engineering services for Miss Dig Requests, Garfield Township, Veterans Drive		
Project# 22029      Invoice 2202902		\$230.00
3. Engineering services for Miss Dig Requests, East Bay Township, Various Locations		
Project# 22029      Invoice 2202903		\$161.00
4. Engineering services for Stoney Creek Hills, Record drawing, lead research, East Bay Twp.		
Project# 22029      Invoice 2202904		\$300.00
5. SCADA and Radio System Upgrades		
Project# 22029      Invoice 2202905		\$750.00
6. Annual License fee for GIS system to maintain the five (5) Townships maps		
Project# 22029      Invoice 2202906		\$632.50

Total \$2,165.50

GRAND TOTAL

\$2,165.50

ok

**Invoice**

Gourdie-Fraser, Inc.  
123 West Front Street, Suite A  
Traverse City, MI 49684  
Phone: 231-946-5874, Fax: 231-946-9634  
VISA/MASTERCARD Accepted, Due Upon Receipt  
A/R email: melanie@gfa.tc

GRAND TRAVERSE COUNTY DPW  
2650 LAFRANIER ROAD  
TRAVERSE CITY, MI 49686

March 30, 2022

Project No: 22029  
Invoice No: 2202901

BPW Engineer of Record

**GENERAL UTILITY SERVICES:**

Re: Miss Dig Requests, Elmwood Township

Services Performed: Engineering services for research and submission to DPW of record drawings and lead report for their use.

**Professional Services from February 27, 2022 to March 26, 2022****Professional Personnel**

	Hours	Rate	Amount
GIS Specialist	1.00	92.00	92.00
Totals	1.00		92.00
Total Labor			92.00
<b>Total this Invoice</b>			<b>\$92.00</b>

INVOICE #	2202901	INVOICE DATE	3/30/22
COMM CODE	E	SEP. CK	PO PAID IN FULL
COMMENTS	miss Dig - Elmwood		
COMMENTS			
<b>BREAKDOWN</b>			
DIST	690	949	949.00
			\$ 92.00
			\$
			\$
			\$
			\$
			\$
APPROVAL	J. McGeary		

APPROVED

MAY 31 2022  
By [Signature]

**Invoice**

Gourdie-Fraser, Inc.  
123 West Front Street, Suite A  
Traverse City, MI 49684  
Phone: 231-946-5874, Fax: 231-946-9634  
VISA/MASTERCARD Accepted, Due Upon Receipt  
A/R email: melanie@gfa.tc

GRAND TRAVERSE COUNTY DPW  
2650 LAFRANIER ROAD  
TRAVERSE CITY, MI 49686

March 30, 2022

Project No: 22029  
Invoice No: 2202902

BPW Engineer of Record

**GENERAL UTILITY SERVICES:**

Re: Miss Dig Requests, Garfield Township, Veterans Drive

Services Performed: Engineering services for research and submission to DPW of record drawings and lead report for their use.

**Professional Services from January 23, 2022 to March 26, 2022****Professional Personnel**

	Hours	Rate	Amount
GIS Specialist	2.50	92.00	230.00
Totals	2.50		230.00
Total Labor			230.00
			\$230.00
			<b>Total this Invoice</b>

INVOICE #	2202902	INVOICE DATE	3/30/22
COMM CODE	E	SEP.CK	PO PAID IN FULL
COMMENTS	miss Dig - Garf. Veterans Dr.		
COMMENTS			
BREAKDOWN			
DIST	690	446	99.00
	690	448	99.00
			\$15.00
			\$230.00
			\$
			\$
			\$
APPROVAL	L.McGarry		

APPROVED

MAY 3, 2022  
By John A.

**Invoice**

Gourdie-Fraser, Inc.  
123 West Front Street, Suite A  
Traverse City, MI 49684  
Phone: 231-946-5874, Fax: 231-946-9634  
VISA/MASTERCARD Accepted, Due Upon Receipt  
A/R email: melanie@gfa.tc

GRAND TRAVERSE COUNTY DPW  
2650 LAFRANIER ROAD  
TRAVERSE CITY, MI 49686

March 30, 2022

Project No: 22029  
Invoice No: 2202903

BPW Engineer of Record

GENERAL UTILITY SERVICES:

Re: Miss Dig Requests, East Bay Township

Services Performed: Engineering services for research and submission to DPW of record drawings and lead report for their use.

**Professional Services from January 23, 2022 to March 26, 2022**

**Professional Personnel**

	Hours	Rate	Amount
GIS Specialist	1.75	92.00	161.00
Totals	1.75		161.00
Total Labor			161.00
			\$161.00
Total this Invoice			\$161.00

INVOICE #	2202903	INVOICE DATE	3/30/22
COMM CODE	E	SEP.CK	PO PAID IN FULL
COMMENTS	missDig - East Bay		
COMMENTS			
BREAKDOWN			
DIST	690	445	949.00
	690	452	949.00
			\$ 80.50
			\$ 80.50
			\$ 161.00
			\$
			\$
			\$
APPROVAL	x, M. Cooney		

APPROVED

MAY 3 2022  
BY [Signature]

**Invoice**

Gourdie-Fraser, Inc.  
123 West Front Street, Suite A  
Traverse City, MI 49684  
Phone: 231-946-5874, Fax: 231-946-9634  
VISA/MASTERCARD Accepted, Due Upon Receipt  
A/R email: melanie@gfa.tc

GRAND TRAVERSE COUNTY DPW  
2650 LAFRANIER ROAD  
TRAVERSE CITY, MI 49686

March 30, 2022

Project No: 22029  
Invoice No: 2202904

BPW Engineer of Record

GENERAL UTILITY SERVICES:

Re: Record Drawing and Report Compilation, Stony Creek Hills, East Bay Township

Services Performed: Engineering services per the request of the DPW researched all record drawings and witness reports.

Professional Services from January 23, 2022 to March 26, 2022

**Professional Personnel**

	Hours	Rate	Amount
Director of Engineering	2.00	150.00	300.00
Totals	2.00		300.00
<b>Total Labor</b>			<b>300.00</b>
			<b>Total this Invoice</b>
			<b>\$300.00</b>

INVOICE #	2202904	INVOICE DATE	3/30/22
COMM CODE	E	SEP.CK	PO PAID IN FULL
COMMENTS	Record Drawing & Rpt Comp -		
COMMENTS	Stony Creek Hills - E Bay		
BREAKDOWN			
DIST	690	445	997.00 \$150.00
	690	452	997.00 \$150.00
			\$300.00
			\$
			\$
			\$
APPROVAL	J. Mcleary		

APPROVED

MAY 31, 2022  
By J. Mcleary

**Invoice**

Gourdie-Fraser, Inc.  
123 West Front Street, Suite A  
Traverse City, MI 49684  
Phone: 231-946-5874, Fax: 231-946-9634  
VISA/MASTERCARD Accepted, Due Upon Receipt  
A/R email: melanie@gfa.tc

GRAND TRAVERSE COUNTY DPW  
2650 LAFRANIER ROAD  
TRAVERSE CITY, MI 49686

March 30, 2022

Project No: 22029  
Invoice No: 2202905

BPW Engineer of Record

**GENERAL UTILITY SERVICES:**

Re: SCADA and Radio System Upgrades

Services Performed: Engineering services to attend meeting with Topline and DPW staff to discuss upcoming SCADA and radio upgrade needs for water and sewer pump stations. Services include creating inventory spreadsheet and priority list and timeline for each township.

**Professional Services from January 23, 2022 to March 26, 2022****Professional Personnel**

	Hours	Rate	Amount
Director of Engineering	5.00	150.00	750.00
Totals	5.00		750.00
<b>Total Labor</b>			<b>750.00</b>
			<b>Total this Invoice</b>
			<b>\$750.00</b>

INVOICE #	3202905	INVOICE DATE	3/30/22
COMM CODE	E	SEP.CK	PO PAID IN FULL
COMMENTS	Meeting regarding SCADA &		
COMMENTS	radio upgrades		
BREAKDOWN	010		
DIST	690	443	949.00 \$750.00
			\$
			\$
			\$
			\$
APPROVAL	A. McDooley		

APPROVED

MAY 31, 2022  
BY [Signature]

## **Invoice**

Gourdie-Fraser, Inc.  
123 West Front Street, Suite A  
Traverse City, MI 49684  
Phone: 231-946-5874, Fax: 231-946-9634  
VISA/MASTERCARD Accepted, Due Upon Receipt  
A/R email: melanie@gfa.tc

GRAND TRAVERSE COUNTY DPW  
2650 LAFRANIER ROAD  
TRAVERSE CITY, MI 49686

March 30, 2022

Project No: 22029  
Invoice No: 2202906

BPW Engineer of Record

#### **GENERAL UTILITY SERVICES:**

Re: GIS System Annual License Fee

Services Performed: Annual License fee for GIS system to maintain the five (5) Townships maps

**Professional Services from February 27, 2022 to March 26, 2022**

### Reimbursable Expenses

ENVIRONMENTAL SYSTEMS RESEARCH INST			
2/25/2022	ENVIRONMENTAL SYSTEMS RESEARCH INST	ARC GIS ONLINE VIEWER LICENSE 03/01/22-02/28/23	230.00
2/25/2022	ENVIRONMENTAL SYSTEMS RESEARCH INST	ARC GIS ONLINE FIELD WORKER LICENSE 03/01/22- 02/28/23	402.50
<b>Total Reimbursables</b>		<b>632.50</b>	<b>632.50</b>
		<b>Total this Invoice</b>	<b>\$632.50</b>

APPROVED

MAY 13 1971  
By [Signature]



Engineering  
Surveying  
Testing &  
Operations

123 West Front Street  
Traverse City, Michigan 49684  
231 946 5874   
231 946 3703

May 31, 2022

## SUMMARY OF BILLINGS FOR APPROVAL FROM GRAND TRAVERSE COUNTY DPW

### I. General Utility Services (As Needed)

1. Engineering services for Miss Dig Requests, Garfield Township Project# 22029 Invoice 2202909	\$368.00
3. Bayview Hotel Development, PS Design & Construction Plan Review Project# 22029 Invoice 2202911	\$300.00
3. 2017 Master Specification and Detail Updates, Master Meter Detail Project# 22029 Invoice 2202910	\$745.00
Total	<u><u>\$1,413.00</u></u>

GRAND TOTAL

\$1,413.00

**Invoice**

Gourdie-Fraser, Inc.  
123 West Front Street, Suite A  
Traverse City, MI 49684  
Phone: 231-946-5874, Fax: 231-946-9634  
**VISA/MASTERCARD Accepted, Due Upon Receipt**  
A/R email: melanie@gfa.tc

GRAND TRAVERSE COUNTY DPW  
2650 LAFRANIER ROAD  
TRAVERSE CITY, MI 49686

May 31, 2022  
Project No: 22029  
Invoice No: 2202909

BPW Engineer of Record

GENERAL UTILITY SERVICES:

Re: Miss Dig Requests, Garfield Township

Services Performed: Engineering services for research and submission of lead reports and record drawings.

Professional Services from May 1, 2022 to May 28, 2022

**Professional Personnel**

	Hours	Rate	Amount
GIS Specialist	4.00	92.00	368.00
Totals	4.00		368.00
<b>Total Labor</b>			<b>368.00</b>
			<b>Total this Invoice</b>
			<b>\$368.00</b>

/   
 o/b

**Invoice**

Gourdie-Fraser, Inc.  
123 West Front Street, Suite A  
Traverse City, MI 49684  
Phone: 231-946-5874, Fax: 231-946-9634  
VISA/MASTERCARD Accepted, Due Upon Receipt  
A/R email: melanie@gfa.tc

GRAND TRAVERSE COUNTY DPW  
2650 LAFRANIER ROAD  
TRAVERSE CITY, MI 49686

May 31, 2022  
Project No: 22029  
Invoice No: 2202911

BPW Engineer of Record

**GENERAL UTILITY SERVICES:**

Re: Bayview Hotel Development, Pump Station Design and Construction Plan Review

Services Performed: Engineering review and communication with design engineer and township related to proposed pump station on behalf of the Grand Traverse County DPW.

**Professional Services from May 1, 2022 to May 28, 2022****Professional Personnel**

	Hours	Rate	Amount
Director of Engineering	2.00	150.00	300.00
Totals	2.00		300.00
<b>Total Labor</b>			<b>300.00</b>
			<b>Total this Invoice</b>
			<b>\$300.00 ✓</b>

OK✓

**Invoice**

Gourdie-Fraser, Inc.  
123 West Front Street, Suite A  
Traverse City, MI 49684  
Phone: 231-946-5874, Fax: 231-946-9634  
VISA/MASTERCARD Accepted, Due Upon Receipt  
A/R email: melanie@gfa.tc

GRAND TRAVERSE COUNTY DPW  
2650 LAFRANIER ROAD  
TRAVERSE CITY, MI 49686

May 31, 2022  
Project No: 22029  
Invoice No: 2202910

BPW Engineer of Record

**GENERAL UTILITY SERVICES:**

Re: 2017 Master Specification and Detail Updates, Master Meter Detail

Services Performed: GFA is implementing an update to the documents to incorporate new technology, materials and standards. Services includes updates to the detail drawings and specifications including coordination with the DPW integrator.

**Professional Services from May 1, 2022 to May 28, 2022****Professional Personnel**

	Hours	Rate	Amount	
Director of Engineering	2.00	150.00	300.00	
Design CAD Technician III	2.00	92.00	184.00	
Senior Testing/Inspection Tech.	1.00	97.00	97.00	
Construction/Testing Tech. II	2.00	82.00	164.00	
Totals	7.00		745.00	
<b>Total Labor</b>				<b>745.00</b>
			<b>Total this Invoice</b>	<b>\$745.00 ✓</b>

ok